



STIC Search Report

EIC 1700

STIC Database Tracking Number: 101044

TO: John Hardee
Location: CP3 9B36
Art Unit : 1751
August 15, 2003

Case Serial Number: 10/089851

From: Kathleen Fuller
Location: EIC 1700
CP3/4 3D62
Phone: 308-4290

Kathleen.Fuller@uspto.gov

Search Notes

10/089851

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: HARDER Examiner #: 101044 Date: 8/12
 Art Unit: 1751 Phone Number 305-5598 Serial Number: 10/029,851
 Mail Box and Bldg/Room Location: 9136 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples of relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

Earliest Priority Filing Date: _____

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Whatever you can find. Thanks.

STAFF USE ONLY X. Fuller **Type of Search** **Vendors and cost where applicable**
 Searcher: X. Fuller NA Sequence (#) _____ STN ✓ _____
 Searcher Phone #: _____ AA Sequence (#) _____ Dialog _____
 Searcher Location: _____ Structure (#) 2 Questel/Orbit _____
 Date Searcher Picked Up: _____ Bibliographic _____ Dr.Link _____
 Date Completed: 8/15/03 Litigation _____ Lexis/Nexis _____
 Searcher Prep & Review Time: 20 Fulltext _____ Sequence Systems _____
 Clerical Prep Time: _____ Patent Family _____ WWW/Internet _____
 Online Time: 50 Other _____ Other (specify) _____

=> FILE REG
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 13 AUG 2003 HIGHEST RN 566135-25-9
 DICTIONARY FILE UPDATES: 13 AUG 2003 HIGHEST RN 566135-25-9

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

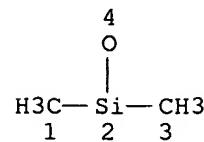
=> FILE HCAPLUS
 FILE 'HCAPLUS' ENTERED AT 14:34:28 ON 15 AUG 2003
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FILE COVERS 1907 - 15 Aug 2003 VOL 139 ISS 8
 FILE LAST UPDATED: 14 Aug 2003 (20030814/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> D QUE L20
 L3 STR



NODE ATTRIBUTES:

25,959 polymers with
 this

DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 4

STEREO ATTRIBUTES: NONE

L5 SCR 2043
 L7 25959 SEA FILE=REGISTRY SSS FUL L3 AND L5
 L9 27481 SEA FILE=HCAPLUS ABB=ON L7
 L10 8701 SEA FILE=HCAPLUS ABB=ON L9 AND COMPOSITION?
 L11 82 SEA FILE=HCAPLUS ABB=ON L10 AND SOFTENER?
 L12 30 SEA FILE=HCAPLUS ABB=ON L11 AND (POLYETHYLEN? OR POLYPROPYLENE
 ? OR FATTY ACID# ?AMIDE? OR POLYSILICIC? OR ?URETHANE?)
 L13 23 SEA FILE=HCAPLUS ABB=ON L12 AND (FABRIC? OR TEXTILE? OR
 DETERGENT?)/SC, SX, AB, BI
 L14 55346 SEA FILE=HCAPLUS ABB=ON (SILOXANES AND SILICONES)/IT
 L15 39286 SEA FILE=HCAPLUS ABB=ON POLYSILOXANES/IT
 L16 501 SEA FILE=HCAPLUS ABB=ON (L14 OR L15) AND FABRIC? (3A) SOFT?
 L17 203 SEA FILE=HCAPLUS ABB=ON L16 AND COMPOSITION?
 L18 55 SEA FILE=HCAPLUS ABB=ON L17 AND (POLYETHYLEN? OR POLYPROPYLENE
 ? OR FATTY ACID# ?AMIDE? OR POLYSILICIC? OR ?URETHANE?)
 L19 28 SEA FILE=HCAPLUS ABB=ON L18 AND DETERGENT?/SC, SX
 L20 38 SEA FILE=HCAPLUS ABB=ON L13 OR L19

=> D L20 1-38 ALL HITSTR

↓

*Also kept searched for
 siloxanes > 1994*

L20 ANSWER 1 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN
 AN 2003:532735 HCAPLUS
 DN 139:102762
 TI **Fabric care compositions** containing antiwrinkle agent
 IN Brockett, John; Coccaro, Deborah Marie; Delroisse, Michel Gilbert Jose;
 Ellson, Karen Jane; Falk, Nancy Ann; Murphy, Dennis Stephen; Orchowski,
 Michael; Ugazio, Stephane; Wierenga, Antje Minke
 PA Unilever PLC, UK; Unilever NV; Hindustan Lever Limited
 SO PCT Int. Appl., 43 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 IC ICM C11D003-00
 ICS C11D011-00
 CC 46-5 (Surface Active Agents and Detergents)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
PI	WO 2003055966	A1	20030710	WO 2002-EP13476	20021128	
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EE, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY				
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,				

NE, SN, TD, TG
US 2003139309 A1 20030724 US 2003-336538 20030103
PRAI GB 2002-152 A 20020104

AB A **fabric** care compn. comprises a solid carrier (such as clays, zeolites, sugar, salts, starch, derivs. and mixts.) and an anti-wrinkle agent such as a functionalized vegetable oil. The compn. may be used to provide **fabrics** with softness and/or anti-wrinkle and/or other **fabric** benefits in laundering processes.

ST antiwrinkle agent sulfated vegetable oil; sulfated vegetable oil antiwrinkle agent zeolite carrier; **fabric** softener compn

IT Clays, uses
RL: TEM (Technical or engineered material use); USES (Uses) (Vebtibute, carrier; **fabric** care compns. contg. antiwrinkle agent)

IT Polysiloxanes, uses
RL: TEM (Technical or engineered material use); USES (Uses) (amino-contg., Hydrosoft, emulsion, wrinkle redn. agent; **fabric** care compns. contg. antiwrinkle agent)

IT Polysiloxanes, uses
RL: TEM (Technical or engineered material use); USES (Uses) (anti-wrinkle agent; **fabric** care compns. contg. antiwrinkle agent)

IT Fats and Glyceridic oils, uses
RL: TEM (Technical or engineered material use); USES (Uses) (avocado, functionalized, anti-wrinkle agent; **fabric** care compns. contg. antiwrinkle agent)

IT Zeolites (synthetic), uses
RL: TEM (Technical or engineered material use); USES (Uses) (carrier; **fabric** care compns. contg. antiwrinkle agent)

IT Polysiloxanes, uses
RL: TEM (Technical or engineered material use); USES (Uses) (di-Me, 3-hydroxypropyl Me, ethers with polyethylene glycol mono-Me ether, wrinkle redn. agent; **fabric** care compns. contg. antiwrinkle agent)

IT Creaseproofing
Fabric softeners
(**fabric** care compns. contg. antiwrinkle agent)

IT Castor oil
Coconut oil
Corn oil
Cottonseed oil
Lanolin
Linseed oil
Olive oil
Palm oil
Peanut oil
Rape oil
Soybean oil
Sunflower oil
RL: TEM (Technical or engineered material use); USES (Uses) (functionalized, anti-wrinkle agent; **fabric** care compns. contg. antiwrinkle agent)

IT Zeolites (synthetic), uses
RL: TEM (Technical or engineered material use); USES (Uses) (high-aluminum P-type, carrier; **fabric** care compns. contg. antiwrinkle agent)

IT **Detergents**
(laundry, granular; **fabric** care compns. contg. antiwrinkle agent)

IT **Detergents**
(laundry, tablets; **fabric** care compns. contg. antiwrinkle agent)

IT **Tuberaceae**
(oil, functionalized, anti-wrinkle agent; **fabric** care compns. contg. antiwrinkle agent)

IT **Carbohydrates, uses**
RL: TEM (Technical or engineered material use); USES (Uses)
(or derivs., carrier; **fabric** care compns. contg. antiwrinkle agent)

IT **Fats and Glyceridic oils, uses**
RL: TEM (Technical or engineered material use); USES (Uses)
(sesame, functionalized, anti-wrinkle agent; **fabric** care compns. contg. antiwrinkle agent)

IT **Clays, uses**
RL: TEM (Technical or engineered material use); USES (Uses)
(smectitic, subjected to cation exchange; **fabric** care compns. contg. antiwrinkle agent)

IT **Salts, uses**
RL: TEM (Technical or engineered material use); USES (Uses)
(solid, carrier; **fabric** care compns. contg. antiwrinkle agent)

IT **Castor oil**
RL: TEM (Technical or engineered material use); USES (Uses)
(sulfated, Freedom SCO 50, wrinkle redn. agent; **fabric** care compns. contg. antiwrinkle agent)

IT **Fats and Glyceridic oils, uses**
RL: TEM (Technical or engineered material use); USES (Uses)
(vegetable, functionalized, anti-wrinkle agent; **fabric** care compns. contg. antiwrinkle agent)

IT **Fats and Glyceridic oils, uses**
RL: TEM (Technical or engineered material use); USES (Uses)
(vegetable, sulfated, anti-wrinkle agent; **fabric** care compns. contg. antiwrinkle agent)

IT **31900-57-9, Dimethylsilanediol homopolymer**
RL: TEM (Technical or engineered material use); USES (Uses)
(assumed monomers, wrinkle redn. agent; **fabric** care compns. contg. antiwrinkle agent)

IT **497-19-8, Soda Ash, uses 1318-93-0, Gelwhite GP, uses 1319-41-1, Saponite 9005-25-8D, Starch, or derivs. 9050-36-6, Maltodextrin 12172-85-9, Beidellite 12173-47-6, Hectorite 12417-86-6, Stevensite**
RL: TEM (Technical or engineered material use); USES (Uses)
(carrier; **fabric** care compns. contg. antiwrinkle agent)

IT **9016-00-6, L 45**
RL: TEM (Technical or engineered material use); USES (Uses)
(wrinkle redn. agent; **fabric** care compns. contg. antiwrinkle agent)

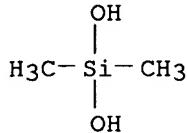
RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

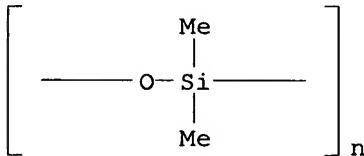
(1) Int Flavors & Fragrances Inc; EP 1065266 A 2001 HCPLUS
(2) Int Flavors & Fragrances Inc; EP 1111121 A 2001 HCPLUS
(3) Procter & Gamble; WO 0107556 A 2001 HCPLUS
(4) Richter, B; US 6211136 B1 2001
(5) Unilever Plc; WO 0024857 A 2000 HCPLUS
(6) Unilever Plc; GB 2357523 A 2001

(7) Unilever Plc; WO 02051972 A 2002 HCPLUS
 IT 31900-57-9, Dimethylsilanediol homopolymer
 RL: TEM (Technical or engineered material use); USES (Uses)
 (assumed monomers, wrinkle redn. agent; fabric care compns.
 contg. antiwrinkle agent)
 RN 31900-57-9 HCPLUS
 CN Silanediol, dimethyl-, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 1066-42-8
CMF C2 H8 O2 Si

IT 9016-00-6, L 45
 RL: TEM (Technical or engineered material use); USES (Uses)
 (wrinkle redn. agent; fabric care compns. contg. antiwrinkle
 agent)
 RN 9016-00-6 HCPLUS
 CN Poly[oxy(dimethylsilylene)] (8CI, 9CI) (CA INDEX NAME)



L20 ANSWER 2 OF 38 HCPLUS COPYRIGHT 2003 ACS on STN
 AN 2003:508456 HCPLUS
 DN 139:73737
 TI Temperature-changing lubricants which impart cool feel or warm feel to
 fibers or cosmetics
 IN Saito, Takashi
 PA Shoko Kagaku Kenkyusho K. K., Japan
 SO Jpn. Kokai Tokkyo Koho, 9 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 IC ICM A61K007-00
 ICS A61K007-48; D01F006-92; D06M013-144; D06M013-152
 CC 62-4 (Essential Oils and Cosmetics)
 Section cross-reference(s): 40
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	-----	-----	-----	-----
PI JP 2003183115	A2	20030703	JP 2001-402832	20011217
PRAI JP 2001-402832		20011217		

AB The lubricants contain water-insol. substances and dispersing agents and/or coating agents included in inorg. supports. Nylon socks were immersed in an aq. soln. contg. 3 wt.% Yodosol RA-8 (water-sol. urethane compn.) and 3 wt.% of a compn. contg. retinoid 10, polyoxyethylene lauryl ether 100, dimethylsilicone oil 1, and silylated SiO₂ (BET sp. surface area 35-300 m²/g, av. primary particle size 5-20 nm) 10 parts and dried. The socks showed a cool feel, soft hand, and skin-lubricating effect.

ST fiber cosmetic lubricant water insol dispersant; coating water insol lubricant cosmetic fiber; cool feel lubricant retinoid polyoxyethylene ether cosmetic; warm feel lubricant silicone oil retinoid cosmetic

IT Polysiloxanes, biological studies
RL: BSU (Biological study, unclassified); COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
(Me hydrogen; lubricants contg. water-insol. substances and dispersants and/or coatings in inorg. supports for imparting cool feel or warm feel to fibers or cosmetics)

IT Polyoxalkylenes, biological studies
RL: BSU (Biological study, unclassified); COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
(aryl ethers; lubricants contg. water-insol. substances and dispersants and/or coatings in inorg. supports for imparting cool feel or warm feel to fibers or cosmetics)

IT Fats and Glyceridic oils, biological studies
RL: BSU (Biological study, unclassified); COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
(carrot; lubricants contg. water-insol. substances and dispersants and/or coatings in inorg. supports for imparting cool feel or warm feel to fibers or cosmetics)

IT Textiles
(cotton; lubricants contg. water-insol. substances and dispersants and/or coatings in inorg. supports for imparting cool feel or warm feel to fibers or cosmetics)

IT Polyamide fibers, biological studies
RL: COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
(fabrics, socks; lubricants contg. water-insol. substances and dispersants and/or coatings in inorg. supports for imparting cool feel or warm feel to fibers or cosmetics)

IT Polyester fibers, biological studies
RL: COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
(fabrics; lubricants contg. water-insol. substances and dispersants and/or coatings in inorg. supports for imparting cool feel or warm feel to fibers or cosmetics)

IT Vitamins
RL: BSU (Biological study, unclassified); COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
(fat-sol.; lubricants contg. water-insol. substances and dispersants and/or coatings in inorg. supports for imparting cool feel or warm feel to fibers or cosmetics)

IT Polyesters, biological studies
RL: COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)

(fiber, nonwoven **fabrics**; lubricants contg. water-insol. substances and dispersants and/or coatings in inorg. supports for imparting cool feel or warm feel to fibers or cosmetics)

IT Fats and Glyceridic oils, biological studies
RL: BSU (Biological study, unclassified); COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
(grape seed; lubricants contg. water-insol. substances and dispersants and/or coatings in inorg. supports for imparting cool feel or warm feel to fibers or cosmetics)

IT Clothing
(hosiery, nylon; lubricants contg. water-insol. substances and dispersants and/or coatings in inorg. supports for imparting cool feel or warm feel to fibers or cosmetics)

IT Castor oil
Jojoba oil
RL: BSU (Biological study, unclassified); COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
(hydrogenated; lubricants contg. water-insol. substances and dispersants and/or coatings in inorg. supports for imparting cool feel or warm feel to fibers or cosmetics)

IT Cosmetics
Dispersing agents
Fabric softeners
Human
Lubricants
Nonwoven **fabrics**
Textiles
(lubricants contg. water-insol. substances and dispersants and/or coatings in inorg. supports for imparting cool feel or warm feel to fibers or cosmetics)

IT Alcohols, biological studies
Jojoba oil
Olive oil
Palm oil
Paraffin oils
Paraffin waxes, biological studies
Polysiloxanes, biological studies
Retinoids
Tocopherols
RL: BSU (Biological study, unclassified); COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
(lubricants contg. water-insol. substances and dispersants and/or coatings in inorg. supports for imparting cool feel or warm feel to fibers or cosmetics)

IT **Coix lacryma-jobi**
Rosemary
(oil-sol. exts.; lubricants contg. water-insol. substances and dispersants and/or coatings in inorg. supports for imparting cool feel or warm feel to fibers or cosmetics)

IT Carrot
(oil; lubricants contg. water-insol. substances and dispersants and/or coatings in inorg. supports for imparting cool feel or warm feel to fibers or cosmetics)

IT Alcohols, biological studies
RL: BSU (Biological study, unclassified); COS (Cosmetic use); TEM

(Technical or engineered material use); BIOL (Biological study); USES (Uses)
(rape-oil, hydrogenated; lubricants contg. water-insol. substances and dispersants and/or coatings in inorg. supports for imparting cool feel or warm feel to fibers or cosmetics)

IT Amides, biological studies
RL: BSU (Biological study, unclassified); COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
(tallow, hydrogenated, N,N-bis(hydroxyethyl); lubricants contg. water-insol. substances and dispersants and/or coatings in inorg. supports for imparting cool feel or warm feel to fibers or cosmetics)

IT Fats and Glyceridic oils, biological studies
RL: BSU (Biological study, unclassified); COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
(teaseed, Camellia japonica; lubricants contg. water-insol. substances and dispersants and/or coatings in inorg. supports for imparting cool feel or warm feel to fibers or cosmetics)

IT Fats and Glyceridic oils, biological studies
RL: BSU (Biological study, unclassified); COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
(vegetable; lubricants contg. water-insol. substances and dispersants and/or coatings in inorg. supports for imparting cool feel or warm feel to fibers or cosmetics)

IT 31900-57-9, Dimethylsilanediol homopolymer
RL: BSU (Biological study, unclassified); COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
(assumed monomers; lubricants contg. water-insol. substances and dispersants and/or coatings in inorg. supports for imparting cool feel or warm feel to fibers or cosmetics)

IT 25038-59-9, Poly(ethylene terephthalate), biological studies
RL: COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
(fiber, nonwoven fabrics; lubricants contg. water-insol. substances and dispersants and/or coatings in inorg. supports for imparting cool feel or warm feel to fibers or cosmetics)

IT 50-14-6, Ergocalciferol 57-87-4, Ergosterol 67-97-0, Cholecalciferol 84-80-0, Phylloquinone 100-51-6, .alpha.-Hydroxytoluene, biological studies 105-13-5, Anise alcohol 122-99-6, .beta.-Phenoxyethanol 128-49-4, Calcium dioctyl sulfosuccinate 149-57-5D, 2-Ethylhexanoic acid, C12-18 alkyl esters 434-16-2, Dehydrocholesterol 577-11-7, Sodium dioctyl sulfosuccinate 1182-68-9, Menaquinone 6829-55-6, Tocotrienol 9002-92-0, **Polyethylene** glycol lauryl ether 9004-96-0, **Polyethylene** glycol oleate 9004-98-2, **Polyethylene** glycol oleyl ether 9016-00-6, Dimethylsiloxane 24938-91-8, **Polyethylene** glycol tridecyl ether 25322-68-3D, **Polyethylene** glycol, aryl ethers 26468-86-0, **Polyethylene** glycol 2-ethylhexyl ether 59130-69-7, Cetyl 2-ethylhexanoate 59130-70-0, Stearyl 2-ethylhexanoate 69247-83-2, Isostearyl 2-ethylhexanoate 133186-19-3, Sodium mono{octyl sulfosuccinate} 183476-82-6, L-Ascorbic acid tetrakis(2-hexyldecanoate) RL: BSU (Biological study, unclassified); COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
(lubricants contg. water-insol. substances and dispersants and/or

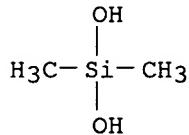
coatings in inorg. supports for imparting cool feel or warm feel to fibers or cosmetics)

IT 7631-86-9, Silica, biological studies
 RL: BSU (Biological study, unclassified); COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
 (silylated; lubricants contg. water-insol. substances and dispersants and/or coatings in inorg. supports for imparting cool feel or warm feel to fibers or cosmetics)

IT 31900-57-9, Dimethylsilanediol homopolymer
 RL: BSU (Biological study, unclassified); COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
 (assumed monomers; lubricants contg. water-insol. substances and dispersants and/or coatings in inorg. supports for imparting cool feel or warm feel to fibers or cosmetics)

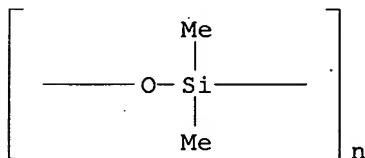
RN 31900-57-9 HCPLUS
 CN Silanediol, dimethyl-, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 1066-42-8
 CMF C2 H8 O2 Si

IT 9016-00-6, Dimethylsiloxane
 RL: BSU (Biological study, unclassified); COS (Cosmetic use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)
 (lubricants contg. water-insol. substances and dispersants and/or coatings in inorg. supports for imparting cool feel or warm feel to fibers or cosmetics)

RN 9016-00-6 HCPLUS
 CN Poly[oxy(dimethylsilylene)] (8CI, 9CI) (CA INDEX NAME)



L20 ANSWER 3 OF 38 HCPLUS COPYRIGHT 2003 ACS on STN
 AN 2003:412032 HCPLUS
 DN 139:8465
 TI Softening agent **compositions** imparting wrinkle prevention effect on clothing
 IN Hayashi, Hiromitsu; Ushio, Noriaki; Tagata, Shuji

PA Kao Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 15 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM D06M013-46

ICS C08K005-17; C08K005-41; C08L083-04; D06M013-262; D06M013-325;

D06M015-643

CC 46-5 (Surface Active Agents and Detergents)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2003155667	A2	20030530	JP 2001-355902	20011121
PRAI	JP 2001-355902		20011121		
OS	MARPAT 139:8465				

AB The compns. contain (A) compds. bearing amino groups and/or quaternary ammonium groups and one C8-36 hydrocarbyl group, (B) nonionic surfactants bearing C16-36 hydrocarbyl group and SO3M and/or OSO3M (M = counter ion), and (C) silicones at A/B molar ratio of 9/1-4/6. Thus, a cotton shirt washed with a weakly-basic detergent and rinsed with a **compn.** contg. 19 parts mixt. of N-(3-dimethylaminopropyl) palmitamide and N-(3-dimethylaminopropyl) stearamide, 6 parts sodium stearylsulfonate, and 2 parts Me3OSi(SiMe2O)300[SiMe(CH2)3NHCOCH2O(CH2O)5C12H25]O]m[SiMe(CH2)3 NH2]O]n[SiMe(CH2)30(C2H4O)10Me]O]4SiMe3 (m + n = 7), giving soft touch and smooth feel.

ST **fabric softening** agent dimethylaminopropyl palmitamide; dimethylaminopropyl stearamide **fabric softening** agent; sodium stearylsulfonate **fabric softening** agent; polysiloxane polyoxyalkylene block graft **softening fabric**; wrinkle prevention **fabric** **softening** agent; quaternary ammonium salt **fabric** **softening** agent

IT **Polysiloxanes**, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(cationic, wrinkle prevention agents, Rewoquat SQ 1; softening agent compns. imparting wrinkle prevention effect on clothing)

IT **Polysiloxanes**, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(polyether-, SH 8700, wrinkle prevention agents; softening agent compns. imparting wrinkle prevention effect on clothing)

IT **Polysiloxanes**, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(polyoxyalkylene-, graft, wrinkle prevention agents; softening agent compns. imparting wrinkle prevention effect on clothing)

IT **Polyoxyalkylenes**, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(polysiloxane-, graft, wrinkle prevention agents; softening agent compns. imparting wrinkle prevention effect on clothing)

IT **Polyethers**, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(siloxane-, SH 8700, wrinkle prevention agents; softening agent compns. imparting wrinkle prevention effect on clothing)

IT **Softening agents**
(softening agent compns. imparting wrinkle prevention effect on clothing)

IT **Quaternary ammonium compounds**, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(softening agent compns. imparting wrinkle prevention effect on

clothing)

IT Polyoxyalkylenes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(sulfo-terminated, tallow alkyl esters, sodium salts; softening agent compns. imparting wrinkle prevention effect on clothing).

IT Polyoxyalkylenes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(tallow alkyl esters, sulfates, sodium salts; softening agent compns. imparting wrinkle prevention effect on clothing)

IT Amines, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(tertiary, salts; softening agent compns. imparting wrinkle prevention effect on clothing)

IT Amines, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(tertiary; softening agent compns. imparting wrinkle prevention effect on clothing)

IT 31900-57-9D, Dimethylsilanediol homopolymer, .alpha.-[(3-[(2-aminoethyl)amino]propyl]dimethylsilyl]-.omega.-trimethylsilyl-terminated
271260-33-4D, trimethylsilyl-terminated 479191-09-8D,
trimethylsilyl-terminated 531513-42-5D, (3-Aminopropyl)methylsilanediol-dimethylsilanediol-methylsilanediol-oxirane graft copolymer dodecyl ether,
trimethylsilyl-terminated
RL: TEM (Technical or engineered material use); USES (Uses)
(assumed monomers, wrinkle prevention agents; softening agent compns. imparting wrinkle prevention effect on clothing)

IT 7651-02-7P, N-(3-Dimethylaminopropyl) stearamide 39669-97-1P,
N-(3-Dimethylaminopropyl) palmitamide 39840-30-7P, 2-Dimethylaminoethyl stearate 40817-19-4P, 2-Dimethylaminoethyl palmitate
RL: IMF (Industrial manufacture); RCT (Reactant); TEM (Technical or engineered material use); PREP (Preparation); RACT (Reactant or reagent);
USES (Uses)
(softening agent compns. imparting wrinkle prevention effect on clothing)

IT 2932-74-3P 22890-18-2P 25234-57-5P 51277-96-4P 110877-63-9P
351196-77-5P
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(softening agent compns. imparting wrinkle prevention effect on clothing)

IT 50-00-0, Formaldehyde, reactions 57-10-3, Palmitic acid, reactions 57-11-4, Stearic acid, reactions 74-87-3, Methyl chloride, reactions 107-13-1, Acrylonitrile, reactions 108-01-0, 2-Hydroxyethylidimethylamine 109-28-4, N-(3-Dimethylaminopropyl) oleamide 109-55-7, N,N-Dimethyl-1,3-propanediamine 109-83-1, Methylethanolamine 112-80-1, Oleic acid, reactions
RL: RCT (Reactant); RACT (Reactant or reagent)
(softening agent compns. imparting wrinkle prevention effect on clothing)

IT 1120-04-3, Sodium stearylsulfate 25322-68-3D, **Polyethylene** glycol, tallow alkyl esters, sulfates, sodium salts 94200-75-6, Sodium 2-decytetradecyl sulfate
RL: TEM (Technical or engineered material use); USES (Uses)
(softening agent compns. imparting wrinkle prevention effect on clothing)

IT 149370-81-0, SF 8419 156327-07-0, KF 6002 158688-16-5, KF 393
RL: TEM (Technical or engineered material use); USES (Uses)
(wrinkle prevention agents; softening agent compns. imparting wrinkle

prevention effect on clothing)

L20 ANSWER 4 OF 38 HCPLUS COPYRIGHT 2003 ACS on STN
 AN 2003:282654 HCPLUS
 DN 138:305500
 TI Compositions of polysiloxanes and quaternized fatty acid amides and use
 IN Chrobaczek, Harald; Lindmair, Gabriele; Tschida, Guenther
 PA Ciba Spezialitaetenchemie Pfersee GmbH, Germany
 SO PCT Int. Appl., 25 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 IC ICM C08L083-04
 ICS C08K005-19; D06M015-643
 CC 40-9 (Textiles and Fibers)
 Section cross-reference(s): 46

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003029351	A1	20030410	WO 2002-EP10416	20020917
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRAI DE 2001-10147210 A 20010925

AB A pleasantly soft hand of textile fabrics can be achieved by treating them with aq. solns. or dispersions which comprise polysiloxanes and quaternized fatty acid amides. The polysiloxanes can have polyalkylene groups and (quaternized) amino groups. The solns. or dispersions have excellent stability.

ST polysiloxane quaternized fatty acid amide blend textile finishing agent

IT Amides, uses

RL: TEM (Technical or engineered material use); USES (Uses) (N-(hydroxyalkyl), quaternized; aq. finishing compns. of polysiloxanes and quaternized fatty acid amides)

IT Fabric finishing

(agents; aq. compns. of polysiloxanes and quaternized fatty acid amides as)

IT Fabric softeners

(aq. compns. of polysiloxanes and quaternized fatty acid amides as)

IT Polysiloxanes, uses

RL: TEM (Technical or engineered material use); USES (Uses) (aq. finishing compns. of polysiloxanes and quaternized fatty acid amides)

IT Textiles

(cotton-polyester; treated with aq. finishing compns. of

polysiloxanes and quaternized fatty acid amides)

IT Quaternary ammonium compounds, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (of fatty acid alkanolamides; treated
 with aq. finishing compns. of polysiloxanes and quaternized
 fatty acid amides)

IT 505098-85-1 508190-46-3, Belfasin 2597
 RL: TEM (Technical or engineered material use); USES (Uses)
 (aq. finishing compns. of polysiloxanes and quaternized
 fatty acid amides)

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

(1) Parkinson, J; US 5183845 A 1993 HCPLUS
 (2) Pfersee Chem Fab; EP 0578144 A 1994 HCPLUS
 (3) Rudolf Gmbh & Co Kg Chem Fab; DE 19652524 A 1998 HCPLUS

L20 ANSWER 5 OF 38 HCPLUS COPYRIGHT 2003 ACS on STN

AN 2003:23517 HCPLUS

DN 138:75140

TI Cleaner/softener composition, container and kit for
 laundering delicate garments in a washing machine

IN Barnabas, Freddy Arthur; Creedon, Michael Timothy; Curry, John Downing;
 Doty, Jack Austin; Hortel, Thomas Charles; Maerten, Ingrid Rose-Marie;
 Nishio, Natsuko; Nicks, Yana Milligan; Okamoto, Mitsuyo; Sakkab, Nabil
 Yaqub; Schroeder, John G.; Siklosi, Michael Peter; Tollens, Fernando Ray;
 Wahl, Errol Hoffman; Wernicke, Todd Michael

PA The Procter & Gamble Company, USA

SO U.S. Pat. Appl. Publ., 47 pp., Cont.-in-part of U.S. Ser. No. 648,219.
 CODEN: USXXCO

DT Patent

LA English

IC C11D001-00

NCL 510351000; 510504000; 510511000

CC 46-5 (Surface Active Agents and Detergents)

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2003008799	A1	20030109	US 2002-107586	20020327
	WO 2000024860	A1	20000504	WO 1999-US24938	19991022
	W: AE, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, EE, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	JP 2002528203	T2	20020903	JP 2000-578508	19991022
PRAI	US 1998-105539P	P	19981024		
	US 1999-157082P	P	19991001		
	WO 1999-US24937	A	19991022		
	WO 1999-US24938	A	19991022		
	US 2000-648219	A2	20000825		
	WO 2000-US27005	A	20000929		
	US 1999-157399P	P	19991001		
AB	Laundering delicate or dry-clean only garments may take place in a washing machine, such as a conventional home washing machine. The process may use				

a garment container, such as a flexible wrap to protect the garments. The process also includes .gtoreq.1 cleaning compn. specially formulated for delicate garments. The cleaning compn. (s) can be in a no. of suitable forms, and can be introduced into the process in a no. of different manners, and contains (a) an anionic surfactant, (b) a quaternary ammonium surfactant, (c) a silicone softening agent, and (d) a solvatrope, where the wt. ratio of anionic surfactants to quaternary ammonium surfactants is 2-6:1. The products used in the process may be provided as a kit contg. a pretreatment applicator.

ST polymeric wrap container garment home laundering; laundering freshening delicate garment; conditioning compn liq detergent laundering delicate garment

IT Polyoxalkylenes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(C12-15-alkyl, sulfonates, surfactant; laundering, brightening and freshening of delicate garments in a washing machine)

IT Polysiloxanes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(Me Ph, softening agents; laundering, brightening and freshening of delicate garments in a washing machine)

IT Surfactants
(anionic; laundering, brightening and freshening of delicate garments in a washing machine)

IT Fabric softeners
Laundering
(laundering, brightening and freshening of delicate garments in a washing machine)

IT Quaternary ammonium compounds, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(laundering, brightening and freshening of delicate garments in a washing machine)

IT Detergents
(liq.; laundering, brightening and freshening of delicate garments in a washing machine)

IT Polysiloxanes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(polyoxalkylene-, softening agents; laundering, brightening and freshening of delicate garments in a washing machine)

IT Polyoxalkylenes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(polysiloxane-, softening agents; laundering, brightening and freshening of delicate garments in a washing machine)

IT Containers
(wrap; laundering, brightening and freshening of delicate garments in a washing machine)

IT 112-00-5, Lauryltrimethylammonium chloride
RL: TEM (Technical or engineered material use); USES (Uses)
(conditioners; laundering, brightening and freshening of delicate garments in a washing machine)

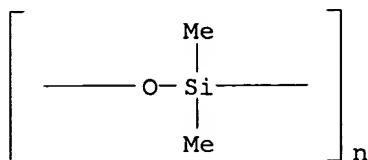
IT 9005-12-3, Poly[oxy(methylphenylsilylene)] 9016-00-6,
Poly(dimethylsiloxyane) 27306-78-1, Silwet L77 28323-47-9,
Poly[oxy(diethylsilylene)] 31230-04-3, Poly(methylphenylsiloxyane)
31900-57-9, Poly(dimethylsiloxyane) 56267-41-5, Silanediol,
diethyl-, homopolymer
RL: TEM (Technical or engineered material use); USES (Uses)
(softening agents; laundering, brightening and freshening of delicate garments in a washing machine)

IT 25322-68-3D, Polyethylene glycol, C12-15-alkyl, sulfonates

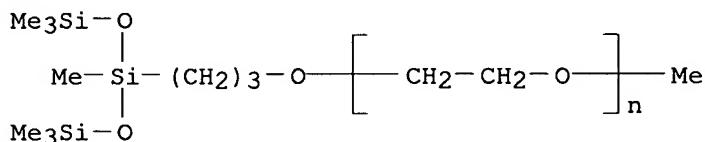
RL: TEM (Technical or engineered material use); USES (Uses)
 (surfactant; laundering, brightening and freshening of delicate
 garments in a washing machine)

IT 9016-00-6, Poly(dimethylsiloxane) 27306-78-1, Silwet L77
 31900-57-9, Poly(dimethylsiloxane)
 RL: TEM (Technical or engineered material use); USES (Uses)
 (softening agents; laundering, brightening and freshening of delicate
 garments in a washing machine)

RN 9016-00-6 HCAPLUS
 CN Poly[oxy(dimethylsilylene)] (8CI, 9CI) (CA INDEX NAME)

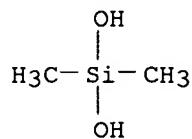


RN 27306-78-1 HCAPLUS
 CN Poly(oxy-1,2-ethanediyl), .alpha.-methyl-.omega.-[3-[1,3,3,3-tetramethyl-1-
 (trimethylsilyl)oxy]disiloxanyl]propoxy]-(9CI) (CA INDEX NAME)



RN 31900-57-9 HCAPLUS
 CN Silanediol, dimethyl-, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 1066-42-8
 CMF C2 H8 O2 Si

L20 ANSWER 6 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN
 AN 2002:391835 HCAPLUS
 DN 136:387749
 TI **Fabric softening compositions** and methods of
 identifying, selecting, and/or designing softeners of polyether-
 polysiloxanes
 IN Trinh, Toan; Schneiderman, Eva; Stanton, David Thomas; Smith, John
 William; Kramer, Michael Lee; Tordil, Helen Bernardo; Frankenbach, Gayle
 Marie; Liu, Zaiyou; Barnabas, Mary Vijayarani

PA The Procter & Gamble Company, USA

SO PCT Int. Appl., 60 pp.

CODEN: PIXXD2

DT Patent

LA English

IC ICM C11D003-00

CC 46-5 (Surface Active Agents and Detergents)

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002040623	A2	20020523	WO 2001-US43285	20011120
	WO 2002040623	A3	20030130		
	W: AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EE, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	AU 2002039273	A5	20020527	AU 2002-39273	20011120
	US 2002147128	A1	20021010	US 2001-989640	20011120
PRAI	US 2000-252342P	P	20001120		
	WO 2001-US43285	W	20011120		

AB Sprayable stable, aq. **fabric softening** compns. comprise polyalkyleneoxy polysiloxanes selected from **polyethyleneoxy** polysiloxane, **polyethyleneoxy**/ **polypropyleneoxy** polysiloxanes, and mixts. An example softener contained Silwet L-7001 1.4%, perfumes 0.1%, Kathon preservative 3 ppm, and the balance water. The softening compns. may optionally contain fabric wrinkle control agent, perfume, surfactant, antimicrobial active, aminocarboxylate chelator, odor controlling agent, antimicrobial preservative, quaternary ammonium softening agent, adjunct stabilizer, and aq. carrier. The softener has an av. mol. wt. 3000-200,000 and is characterized as having correlation S value (.gtoreq.10) according to $S = 3.246(\sqrt{t\#diSi}) - 1.880(\sqrt{\%Si}) - 0.9066\sqrt{t\#EO} + 17.70$, where $t\#diSi$ = av. total no. of the Si(CH₃)₂O units in the mol.; $t\#EO$ = the av. total no. of the ethyleneoxy CH₂CH₂O units in the mol.; $\%Si$ = wt. percent of all siloxane units.

ST aq spray dispersion polyoxyalkylene polysiloxane **fabric softener**

IT Polyethers, uses

RL: TEM (Technical or engineered material use); USES (Uses)
(di-Me siloxane-; **fabric softening** compns. and methods of identifying, selecting, and/or designing softeners of **polyether-polysiloxanes**)

IT **Polysiloxanes**, uses

RL: TEM (Technical or engineered material use); USES (Uses)
(di-Me, 3-hydroxypropyl Me, ethers with **polyethylene** glycol mono-Me ether; **fabric softening** compns. and methods of identifying, selecting, and/or designing softeners of **polyether-polysiloxanes**)

IT **Polysiloxanes**, uses

RL: TEM (Technical or engineered material use); USES (Uses)
(di-Me, 3-hydroxypropyl Me, ethers with **polyethylene**-**polypropylene** glycol acetate; **fabric**

softening compns. and methods of identifying, selecting, and/or designing softeners of polyether-**polysiloxanes**)

IT **Polysiloxanes, uses**
 RL: TEM (Technical or engineered material use); USES (Uses)
 (di-Me, 3-hydroxypropyl Me, ethers with **polyethylene**-
polypropylene glycol mono-Me ether; **fabric**
 softening compns. and methods of identifying, selecting, and/or designing softeners of polyether-**polysiloxanes**)

IT **Polysiloxanes, uses**
 RL: TEM (Technical or engineered material use); USES (Uses)
 (di-Me, 3-hydroxypropyl Me, ethoxylated propoxylated; **fabric**
 softening compns. and methods of identifying, selecting, and/or designing softeners of polyether-**polysiloxanes**)

IT **Polysiloxanes, uses**
 RL: TEM (Technical or engineered material use); USES (Uses)
 (di-Me, polyether-; **fabric** softening compns. and methods of identifying, selecting, and/or designing softeners of polyether-**polysiloxanes**)

IT **Polysiloxanes, uses**
 RL: TEM (Technical or engineered material use); USES (Uses)
 (di-Me, polyoxyethylene-polyoxypropylene-, graft; **fabric**
 softening compns. and methods of identifying, selecting, and/or designing softeners of polyether-**polysiloxanes**)

IT **Fabric softeners**
 (**fabric** softening compns. and methods of identifying, selecting, and/or designing softeners of polyether-**polysiloxanes**)

IT **Polysiloxanes, uses**
 RL: TEM (Technical or engineered material use); USES (Uses)
 (polyoxyalkylene-; **fabric** softening compns. and methods of identifying, selecting, and/or designing softeners of polyether-**polysiloxanes**)

IT **Polyoxyalkylenes, uses**
 RL: TEM (Technical or engineered material use); USES (Uses)
 (polysiloxane-; **fabric** softening compns. and methods of identifying, selecting, and/or designing softeners of polyether-**polysiloxanes**)

L20 ANSWER 7 OF 38 HCPLUS COPYRIGHT 2003 ACS on STN
 AN 2002:331856 HCPLUS
 DN 136:342594
 TI Tablet laundry detergent **compositions**
 IN Lant, Neil Joseph; Salager, Serge Eric; Eshuis, Johan Hans; Pena-Romero, Angelina
 PA The Procter & Gamble Company, USA
 SO Eur. Pat. Appl., 46 pp.
 CODEN: EPXXDW
 DT Patent
 LA English
 IC ICM C11D017-00
 ICS C11D003-00
 CC 46-5 (Surface Active Agents and **Detergents**)
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	-----	-----	-----	-----
PI EP 1201742	A1	20020502	EP 2000-870253	20001031
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				

WO 2002036721	A2	20020510	WO 2001-US46072	20011023
WO 2002036721	A3	20020704		
W: AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EE, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002033967	A5	20020515	AU 2002-33967	20011023
WO 2002055644	A2	20020718	WO 2001-US46071	20011023
W: AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
WO 2002059242	A2	20020801	WO 2001-US46070	20011023
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1330506	A2	20030730	EP 2001-984970	20011023
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
EP 1330511	A2	20030730	EP 2001-993211	20011023
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
EP 1330512	A2	20030730	EP 2001-994147	20011023
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
EP 1330508	A2	20030730	EP 2001-987591	20011026
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
EP 1330509	A2	20030730	EP 2001-987592	20011026
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
PRAI EP 2000-870252	A	20001031		
EP 2000-870253	A	20001031		
EP 2000-870254	A	20001031		
EP 2001-870012	A	20010119		
EP 2001-870013	A	20010119		
WO 2001-US46070	W	20011023		
WO 2001-US46071	W	20011023		
WO 2001-US46072	W	20011023		
WO 2001-US51378	W	20011026		

WO 2001-US51379 W 20011026

AB A shaped detergent **compn.** comprises surfactant and cationic **fabric softener**, characterized in that the **compn** . disintegrates within 5 min of been placed in deionized water at 20.degree.C and that after disintegration, the av. particle size of the **compn.** is less than 5 mm, preferably less than 3 mm. The compns. of the present invention can be effectively dosed via the dispensing drawer of std. washing machines and can deliver two or more actives to the wash liquor, even if such actives are incompatible with each other.

ST tablet laundry detergent **compn** disintegration

IT Surfactants

(amphoteric; tablet laundry detergent compns.)

IT Surfactants

(anionic; tablet laundry detergent compns.)

IT Surfactants

(cationic; tablet laundry detergent compns.)

IT Detergents

(laundry, enzyme-contg.; tablet laundry detergent compns.)

IT Detergents

(laundry, tablets; tablet laundry detergent compns.)

IT Surfactants

(nonionic; tablet laundry detergent compns.)

IT Polyoxyalkylenes, uses

Polysiloxanes, uses

Zeolites (synthetic), uses

RL: TEM (Technical or engineered material use); USES (Uses)

(tablet laundry detergent compns.)

IT Surfactants

(zwitterionic; tablet laundry detergent compns.)

IT 9000-92-4, Amylase 9001-62-1, Lipase 9001-92-7, Protease 9012-54-8, Cellulase

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(tablet laundry detergent compns.)

IT 77-92-9, Citric acid, uses 95-29-4, DIBS 127-09-3, Sodium acetate

497-19-8, Sodium carbonate, uses 3794-83-0 7379-28-4 10543-57-4,

Tetraacetylene diamine 15630-89-4, Sodium percarbonate

25322-68-3, **Polyethylene** glycol 29132-58-9, Acrylic

acid-maleic acid copolymer 61586-86-5 371165-08-1, Lutensit K-HD 96

RL: TEM (Technical or engineered material use); USES (Uses)

(tablet laundry detergent compns.)

IT 13870-28-5, SKS 6

RL: TEM (Technical or engineered material use); USES (Uses)

(.delta.-; tablet laundry detergent compns.)

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

(1) Gibson, H; WO 9817753 A 1998 HCPLUS

(2) Procter & Gamble; EP 0896053 A 1999

(3) Unilever Plc; WO 9940171 A 1999 HCPLUS

(4) Wixon, H; US 3360470 A 1967 HCPLUS

L20 ANSWER 8 OF 38 HCPLUS COPYRIGHT 2003 ACS on STN

AN 2001:881686 HCPLUS

DN 136:38808

TI Softening agent **compositions** containing polyoxyalkylene polysiloxanes for **fabrics**

IN Muramoto, Hisahiro

PA Dow Corning Toray Silicone Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM D06M015-647

ICS C08G077-46; C08L071-02; C08L083-05; C08L083-07

CC 40-9 (Textiles and Fibers)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2001336071	A2	20011207	JP 2000-159420	20000530
PRAI	JP 2000-159420		20000530		

AB Softening agents contain 0.05-20% title polymers (I) prepd. by the reaction of organo H polysiloxanes, organopolysiloxanes having 1 or 2 terminal alkenyl groups, and alkenyl group-contg. polyoxyalkylenes in the presence of addn. reaction catalysts. Thus, I was prepd. from trimethylsilyl-terminated Me H polysiloxane 100, bis(dimethylvinylsilyl)-terminated polydimethylsiloxane 24.5, and **polyethylene** propylene glycol allyl Me ether 129.2 g in the presence of Pt catalysts.

ST polyoxyalkylene polysiloxane softening agent **fabric**; platinum catalyst hydrosilylation hydrogen vinyl polysiloxane

IT Polysiloxanes, uses

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(Me hydrogen, trimethylsilyl-terminated, reaction products with polyoxyalkylene allyl ethers and vinyl polysiloxanes; softening agent compns. contg. polyoxyalkylene polysiloxanes for **fabric**s)

IT Polysiloxanes, uses

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(polyoxyalkylene-; softening agent compns. contg. polyoxyalkylene polysiloxanes for **fabric**s)

IT Polyoxyalkylenes, uses

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(polysiloxane-; softening agent compns. contg. polyoxyalkylene polysiloxanes for **fabric**s)

IT **Fabric softeners**

Hydrosilylation catalysts
(softening agent compns. contg. polyoxyalkylene polysiloxanes for **fabric**s)

IT Household furnishings

(towels; softening agent compns. contg. polyoxyalkylene polysiloxanes for **fabric**s)

IT 7440-06-4D, Platinum, complexes with divinyltetramethyldisiloxane 16941-12-1, Chloroplatinic acid 30110-75-9D, Divinyltetramethyldisiloxane, complexes with platinum

RL: CAT (Catalyst use); USES (Uses)
(softening agent compns. contg. polyoxyalkylene polysiloxanes for **fabric**s)

IT 379699-45-3P 379699-53-3P 379699-55-5P

379699-57-7P

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(softening agent compns. contg. polyoxyalkylene polysiloxanes for **fabric**s)

IT 379699-45-3P 379699-53-3P 379699-55-5P

379699-57-7P

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (softening agent compns. contg. polyoxyalkylene polysiloxanes for fabrics)

RN 379699-45-3 HCAPLUS

CN Silanediol, dimethyl-, polymer with .alpha.- (ethenyldimethylsilyl)-.omega.- [(ethenyldimethylsilyl)oxy]poly[oxy(dimethylsilylene)], methyloxirane, methylsilanediol and oxirane, methyl ether, graft (9CI) (CA INDEX NAME)

CM 1

CRN 67-56-1

CMF C H4 O

H₃C-OH

CM 2

CRN 379699-44-2

CMF (C₃ H₆ O . C₂ H₈ O₂ Si . (C₂ H₆ O Si)_n C₈ H₁₈ O Si₂ . C₂ H₄ O . C H₆ O₂ Si)_x

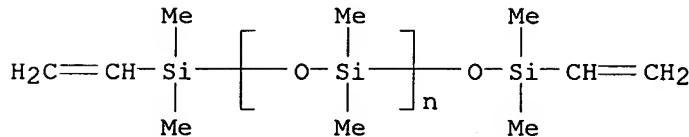
CCI PMS

CM 3

CRN 59942-04-0

CMF (C₂ H₆ O Si)_n C₈ H₁₈ O Si₂

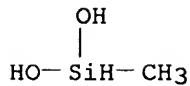
CCI PMS



CM 4

CRN 43641-90-3

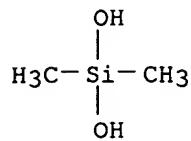
CMF C H₆ O₂ Si



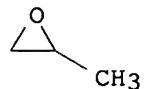
CM 5

CRN 1066-42-8

CMF C₂ H₈ O₂ Si



CM 6

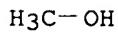
CRN 75-56-9
CMF C3 H6 O

CM 7

CRN 75-21-8
CMF C2 H4 O

RN 379699-53-3 HCPLUS
 CN Silanediol, dimethyl-, polymer with 1,3-di-5-hexenyl-1,1,3,3-tetramethyldisiloxane, methyloxirane, methylsilanediol and oxirane, methyl ether, graft (9CI) (CA INDEX NAME)

CM 1

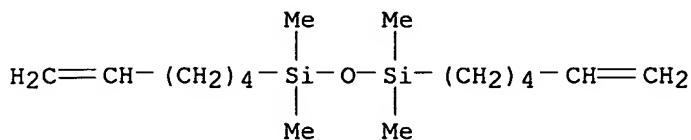
CRN 67-56-1
CMF C H4 O

CM 2

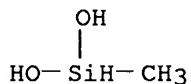
CRN 379699-52-2
CMF (C16 H34 O Si2 . C3 H6 O . C2 H8 O2 Si . C2 H4 O . C H6 O2 Si)x
CCI PMS

CM 3

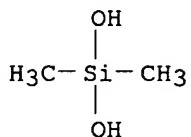
CRN 104360-37-4
CMF C16 H34 O Si2



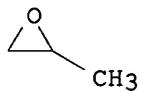
CM 4

CRN 43641-90-3
CMF C H6 O2 Si

CM 5

CRN 1066-42-8
CMF C2 H8 O2 Si

CM 6

CRN 75-56-9
CMF C3 H6 O

CM 7

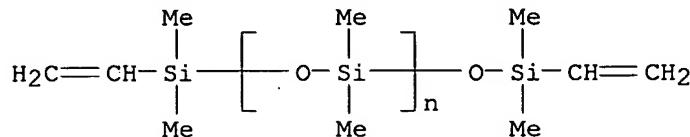
CRN 75-21-8
CMF C2 H4 O

RN 379699-55-5 HCAPLUS
 CN Silanediol, dimethyl-, polymer with .alpha.- (ethenyldimethylsilyl)-.omega.-

[(ethenyldimethylsilyl)oxy]poly[oxy(dimethylsilylene)], methyldimethoxysilane, graft (9CI) (CA INDEX NAME)

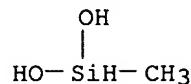
CM 1

CRN 59942-04-0
 CMF (C₂ H₆ O Si)_n C₈ H₁₈ O Si₂
 CCI PMS



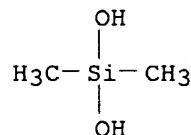
CM 2

CRN 43641-90-3
 CMF C H₆ O₂ Si



CM 3

CRN 1066-42-8
 CMF C₂ H₈ O₂ Si



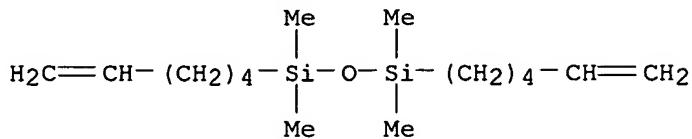
CM 4

CRN 75-21-8
 CMF C₂ H₄ O

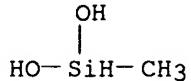


RN 379699-57-7 HCAPLUS
 CN Silanediol, dimethyl-, polymer with 1,3-di-5-hexenyl-1,1,3,3-tetramethyldisiloxane, methyldimethoxysilane, graft (9CI) (CA INDEX NAME)

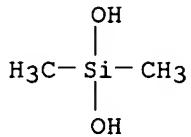
CM 1

CRN 104360-37-4
CMF C16 H34 O Si2

CM 2

CRN 43641-90-3
CMF C H6 O2 Si

CM 3

CRN 1066-42-8
CMF C2 H8 O2 Si

CM 4

CRN 75-21-8
CMF C2 H4 O

L20 ANSWER 9 OF 38 HCPLUS COPYRIGHT 2003 ACS on STN
 AN 2001:748089 HCPLUS
 DN 135:290116
 TI Silicone compositions for treating wool materials
 IN Luedemann, Simpert; Riedmann, Juergen; Chrobaczek, Harald; Angele, Theodor; Howarth, Lee

PA Ciba Spezialitaetenchemie Pfersee GmbH, Germany
 SO PCT Int. Appl., 25 pp.
 CODEN: PIXXD2

DT Patent

LA English

IC ICM D06M015-00

CC 40-9 (Textiles and Fibers)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001075214	A2	20011011	WO 2001-EP3225	20010321
	WO 2001075214	A3	20011213		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	DE 10016610	A1	20011011	DE 2000-10016610	20000404
	EP 1268918	A2	20030102	EP 2001-923692	20010321
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	BR 2001009803	A	20030121	BR 2001-9803	20010321
PRAI	DE 2000-10016610	A	20000404		
	WO 2001-EP3225	W	20010321		
AB	Softener organopolysiloxanes which contain crosslinked units are further crosslinkable (such as hydroxy-terminated siloxanes). The compns. further contain a polyurethane contg. blocked isocyanate groups. They are useful for treating fiber materials, esp. textile sheet materials, and can be applied as aq. solns. or dispersions. Textiles which are 50-100% wool and finished with the compns. exhibit low shrinkage and low felting tendency during washing operations and also a pleasant, soft hand.				
ST	hydroxy terminated siloxane shrinkproofing agent wool fabric				
IT	Feltproofing				
	Shrinkproofing (textiles)				
	(agents; silicone compns. contg. blocked polyurethane for preventing shrinkage and felting of wool textiles)				
IT	Polyurethanes, uses				
	RL: TEM (Technical or engineered material use); USES (Uses) (blocked; silicone compns. contg. blocked polyurethane for preventing shrinkage and felting of wool textiles)				
IT	Polysiloxanes, uses				
	RL: TEM (Technical or engineered material use); USES (Uses) (hydroxy-terminated; silicone compns. contg. blocked polyurethane for preventing shrinkage and felting of wool textiles)				
IT	Fabric softeners				
	(silicone compns. contg. blocked polyurethane for preventing shrinkage and felting of wool textiles)				
IT	Textiles				
	(wool; silicone compns. contg. blocked polyurethane for preventing shrinkage and felting of wool textiles)				
IT	7732-18-5, Water, uses 9016-00-6, Polydimethylsiloxane 31900-57-9, Dimethylsilanediol homopolymer 69670-71-9,				

Synthappret BAP

RL: TEM (Technical or engineered material use); USES (Uses)
 (silicone compns. contg. blocked **polyurethane** for preventing
 shrinkage and felting of wool **textiles**)

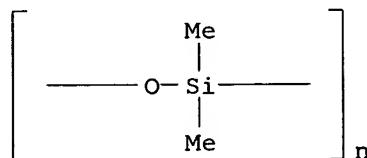
IT 9016-00-6, Polydimethylsiloxane 31900-57-9,

Dimethylsilanediol homopolymer

RL: TEM (Technical or engineered material use); USES (Uses)
 (silicone compns. contg. blocked **polyurethane** for preventing
 shrinkage and felting of wool **textiles**)

RN 9016-00-6 HCAPLUS

CN Poly[oxy(dimethylsilylene)] (8CI, 9CI) (CA INDEX NAME)



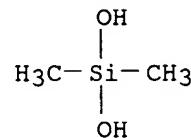
RN 31900-57-9 HCAPLUS

CN Silanediol, dimethyl-, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 1066-42-8

CMF C2 H8 O2 Si



L20 ANSWER 10 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 2001:524721 HCAPLUS

DN 135:108584

TI **Textile treatment composition** comprising epoxy glycol siloxane and amine functional siloxane

IN Griffin, Howard Edwin

PA Dow Corning Corporation, USA

SO Eur. Pat. Appl., 12 pp.

CODEN: EPXXDW

DT Patent

LA English

IC ICM D06M015-643

ICS D06M015-647; D06M015-65; D06M013-513; C08L083-04; C08L083-12

CC 40-9 (**Textiles** and Fibers)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1116813	A1	20010718	EP 2001-300153	20010109
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				

JP 2001226878	A2	20010821	JP 2001-2679	20010110
PRAI US 2000-480240	A	20000110		
OS MARPAT 135:108584				

AB A **textile treatment compn.** comprises (a) an epoxy-, glycol siloxane, (b) an amino-functional compd. selected from the group consisting of aminosilanes and silicone quaternary ammonium compds., (c) optionally, a surfactant, (d) optionally, an acid and (e) optionally a carrier. The **compn.** is preferably formulated as an aq. emulsion. The **compn.** provides good hand, resistance to yellowing and improved hydrophilicity to **textiles**.

ST **textile softener** yellowing resistance hydrophilicity; cotton fabric finish agent emulsion; polysiloxane epoxy glycol amino functionality

IT **Fabric** finishing
(agents; **textile softener compn.** for improved hydrophilicity and yellowing resistance)

IT **Textiles**
(cotton; **textile softener compn.** for improved hydrophilicity and yellowing resistance)

IT **Polysiloxanes, uses**
RL: TEM (Technical or engineered material use); USES (Uses)
(quaternary ammonium group-contg., Lambert Q 100, Lambert Q 400; **textile softener compn.** for improved hydrophilicity and yellowing resistance)

IT **Fabric softeners**
(**textile softener compn.** for improved hydrophilicity and yellowing resistance)

IT **Polysiloxanes, uses**
RL: TEM (Technical or engineered material use); USES (Uses)
(**textile softener compn.** for improved hydrophilicity and yellowing resistance)

IT 161849-78-1, GENAPOL UD 110 186100-57-2, GENAPOL UD 050
RL: TEM (Technical or engineered material use); USES (Uses)
(surfactant; **textile softener compn.** for improved hydrophilicity and yellowing resistance)

IT 106-92-3D, Allyl glycidyl ether, reaction product with dimethyl-methylhydrogen siloxane and **polyethylene-polypropylene** glycol allyl Me ether 919-30-2, .gamma.-Aminopropyltriethoxysilane 1760-24-3 23410-40-4 52232-27-6D, **Polyethylenepolypropylene** glycol allyl methyl ether, reaction product with dimethyl-methylhydrogen siloxane and allyl glycidyl ether 156118-35-3D, Dimethylsilanediol-methylhydrogensilanediol copolymer, reaction product with allyl glycidyl ether and **polyethylene polypropylene** glycol allyl Me ether
RL: TEM (Technical or engineered material use); USES (Uses)
(**textile softener compn.** for improved hydrophilicity and yellowing resistance)

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

(1) Baldwin, A; US 4408996 A 1983 HCPLUS
(2) Baldwin, A; US 4414268 A 1983
(3) Campbell, F; US 4184004 A 1980 HCPLUS
(4) Czech, A; US 5158575 A 1992 HCPLUS
(5) Ohashi, H; US 5232611 A 1993 HCPLUS
(6) Tashiro, M; US 4062999 A 1977

IT 156118-35-3D, Dimethylsilanediol-methylhydrogensilanediol copolymer, reaction product with allyl glycidyl ether and **polyethylene polypropylene** glycol allyl Me ether

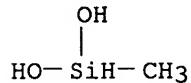
RL: TEM (Technical or engineered material use); USES (Uses)
 (textile softener compn. for improved
 hydrophilicity and yellowing resistance)

RN 156118-35-3 HCAPLUS

CN Silanediol, dimethyl-, polymer with methyilsilanediol (9CI) (CA INDEX
 NAME)

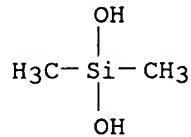
CM 1

CRN 43641-90-3
 CMF C H6 O2 Si



CM 2

CRN 1066-42-8
 CMF C2 H8 O2 Si



L20 ANSWER 11 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 2001:265554 HCAPLUS

DN 134:282506

TI **Fabric softener compositions**

IN Kvita, Petr; Otto, Peter; Dubini, Mario; Chrobaczek, Harald; Geubtner, Michael; Goretzki, Ralf; Weber, Barbara; Martin, Emmanuel

PA Ciba Specialty Chemicals Holding Inc., Switz.; Ciba Spezialitaetenchemie Pfersee G.m.b.H.

SO PCT Int. Appl., 60 pp.

CODEN: PIXXD2

DT Patent

LA English

IC ICM C11D003-37

ICS C11D017-04; C11D003-12; C11D001-645; C11D001-62

CC 46-5 (Surface Active Agents and Detergents)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001025385	A1	20010412	WO 2000-EP9399	20000926
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			

Applicants

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
 DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,
 CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
 BR 2000014531 A 20020604 BR 2000-14531 20000926
 EP 1218478 A1 20020703 EP 2000-964235 20000926
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL
 JP 2003511575 T2 20030325 JP 2001-528541 20000926
 PRAI EP 1999-810897 A 19991005
 WO 2000-EP9399 W 20000926

AB A compn. for the wrinkle recovery treatment or the redn. of wet soiling of textile fiber materials in domestic applications comprises (a) a fabric softener, (b) .gt;req.1 additive selected from the group consisting of a polyethylene or a mixt., a fatty acid alkanolamide or a mixt., a polysilicic acid or a mixt., and a polyurethane or a mixt., and (c) selected polyorganosiloxane compds. Thus, a compn. was prep'd. by dissolving molten di(palmcarboxyethyl)hydroxyethyl-methylammoniummethosulfate (Rewoquat WE 38 DPG) in water and mixing with polydimethylsiloxane hydroxy-terminated, and oxidized polyethylene.

ST fabric softener wrinkle recovery wet soiling textile fiber; polysiloxane quaternary ammonium compd polyethylene fabric softener

IT Amides, uses
 RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
 (N-(hydroxyalkyl); fabric softener for wrinkle recovery treatment or redn. of wet soiling of textile fiber materials)

IT Quaternary ammonium compounds, uses
 RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
 (di(palmcarboxyethyl)hydroxyethyl-Me; fabric softener for wrinkle recovery treatment or redn. of wet soiling of textile fiber materials)

IT Creaseproofing
 Fabric softeners
 Soilproofing
 (fabric softener for wrinkle recovery treatment or redn. of wet soiling of textile fiber materials)

IT Polyurethanes, uses
 RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
 (fabric softener for wrinkle recovery treatment or redn. of wet soiling of textile fiber materials)

IT Polysiloxanes, uses
 RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
 (polyoxyalkylene-, graft; fabric softener for wrinkle recovery treatment or redn. of wet soiling of textile fiber materials)

IT Polyoxyalkylenes, uses
 RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
 (polysiloxane-, graft; fabric softener for wrinkle recovery treatment or redn. of wet soiling of textile fiber materials)

IT 9002-88-4D, **Polyethylene**, oxidized 31692-79-2,
 Polydimethylsiloxane hydroxy-terminated 31900-57-9
 156310-28-0D, trimethylsilyl terminated 156549-36-9D,
 trimethylsilyl terminated 156623-21-1 156623-21-1D,
 Trimethylsilyl terminated 158465-66-8 158465-66-8D,
 Trimethylsilyl terminated 162918-92-5 254098-49-2D,
 Trimethylsilyl terminated 296759-05-2D, Trimethylsilyl
 terminated 332366-70-8 332366-71-9D, Trimethylsilyl
 terminated 332899-90-8, Rewoquat WE 38DPG
 RL: PRP (Properties); TEM (Technical or engineered material use); USES
 (Uses)

(**fabric softener** for wrinkle recovery treatment or
 redn. of wet soiling of **textile** fiber materials)

RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

- (1) Butterworth, R; US 5407588 A 1995 HCPLUS
- (2) Colgate Palmolive Co; EP 0413416 A 1991 HCPLUS
- (3) Dow Corning Ltd; DE 3932276 A 1990 HCPLUS
- (4) Henkel Kgaa; EP 0133562 A 1985 HCPLUS
- (5) Henkel Kgaa; EP 0739976 A 1996 HCPLUS
- (6) Mermelstein, R; US 5728673 A 1998 HCPLUS
- (7) Pfersee Chem Fab; DE 3926005 A 1991 HCPLUS
- (8) Procter & Gamble; GB 1549180 A 1979 HCPLUS
- (9) Procter & Gamble; EP 0150872 A 1985 HCPLUS
- (10) Unilever Plc; EP 0544493 A 1993 HCPLUS
- (11) Zenon, H; US 3992332 A 1976 HCPLUS

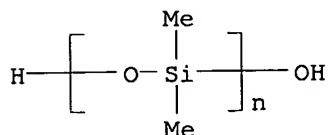
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 31900-57-9 156310-28-0D, trimethylsilyl terminated
 156549-36-9D, trimethylsilyl terminated 156623-21-1
 156623-21-1D, Trimethylsilyl terminated 158465-66-8
 158465-66-8D, Trimethylsilyl terminated 162918-92-5
 254098-49-2D, Trimethylsilyl terminated 296759-05-2D,
 Trimethylsilyl terminated 332366-70-8 332366-71-9D,
 Trimethylsilyl terminated

RL: PRP (Properties); TEM (Technical or engineered material use); USES
 (Uses)

(**fabric softener** for wrinkle recovery treatment or
 redn. of wet soiling of **textile** fiber materials)

RN 31692-79-2 HCPLUS

CN Poly[oxy(dimethylsilylene)], .alpha.-hydro-.omega.-hydroxy- (8CI, 9CI)
 (CA INDEX NAME)



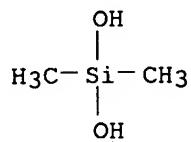
RN 31900-57-9 HCPLUS

CN Silanediol, dimethyl-, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 1066-42-8

CMF C2 H8 O2 Si



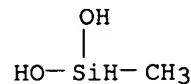
RN 156310-28-0 HCAPLUS

CN Silanediol, dimethyl-, polymer with methyldiol and oxirane, graft
(9CI) (CA INDEX NAME)

CM 1

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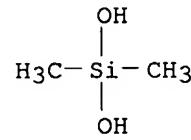
CMF C H6 O2 Si



CM 2

CRN 1066-42-8

CMF C2 H8 O2 Si



CM 3

CRN 75-21-8

CMF C2 H4 O



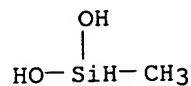
RN 156549-36-9 HCAPLUS

CN Silanediol, dimethyl-, polymer with methyloxirane, methyldiol and
oxirane, graft (9CI) (CA INDEX NAME)

CM 1

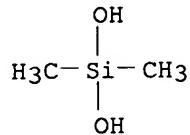
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CMF C H6 O2 Si



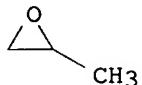
CM 2

CRN 1066-42-8
 CMF C2 H8 O2 Si



CM 3

CRN 75-56-9
 CMF C3 H6 O



CM 4

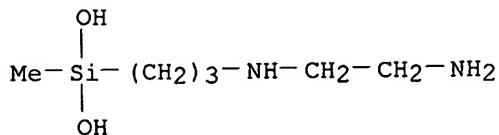
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 CMF C2 H4 O



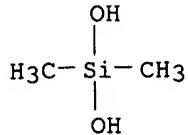
RN 156623-21-1 HCPLUS
 CN Silanediol, [3-[(2-aminoethyl)amino]propyl]methyl-, polymer with
 dimethylsilanediol (9CI) (CA INDEX NAME)

CM 1

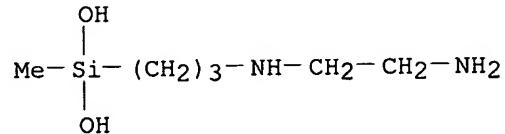
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 CMF C6 H18 N2 O2 Si



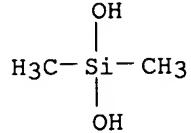
CM 2

CRN 1066-42-8
CMF C2 H8 O2 SiRN 156623-21-1 HCPLUS
CN Silanediol, [3-[(2-aminoethyl)amino]propyl]methyl-, polymer with
dimethylsilanediol (9CI) (CA INDEX NAME)

CM 1

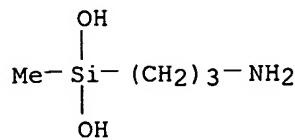
CRN 83145-66-8
CMF C6 H18 N2 O2 Si

CM 2

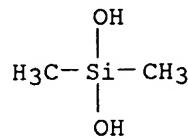
CRN 1066-42-8
CMF C2 H8 O2 SiRN 158465-66-8 HCPLUS
CN Silanediol, (3-aminopropyl)methyl-, polymer with dimethylsilanediol (9CI)
(CA INDEX NAME)

CM 1

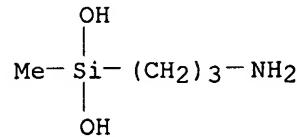
CRN 158465-65-7
CMF C4 H13 N O2 Si



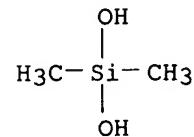
CM 2

CRN 1066-42-8
CMF C2 H8 O2 SiRN 158465-66-8 HCAPLUS
CN Silanediol, (3-aminopropyl)methyl-, polymer with dimethylsilanediol (9CI)
(CA INDEX NAME)

CM 1

CRN 158465-65-7
CMF C4 H13 N O2 Si

CM 2

CRN 1066-42-8
CMF C2 H8 O2 SiRN 162918-92-5 HCAPLUS
CN Poly[oxy(dimethylsilylene)], .alpha.-[[3-[3-(dimethylamino)-2-hydroxypropoxy]propyl]dimethylsilyl]-.omega.-[[[3-[3-(dimethylamino)-2-hydroxypropoxy]propyl]dimethylsilyl]oxy]-, diacetate (salt) (9CI) (CA INDEX NAME)

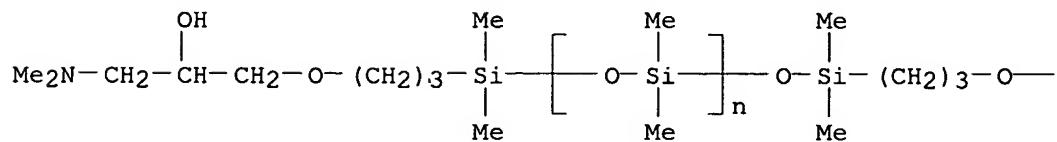
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CRN 162918-91-4

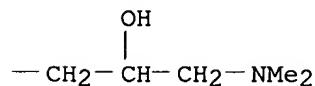
CMF (C₂ H₆ O Si)_n C₂₀ H₄₈ N₂ O₅ Si₂

CCI PMS

PAGE 1-A

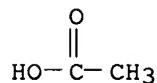


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CM 2

CRN 64-19-7

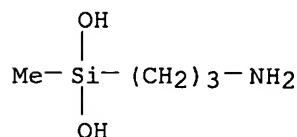
CMF C₂ H₄ O₂

RN 254098-49-2 HCAPLUS

CN Silanediol, (3-aminopropyl)methyl-, polymer with dimethylsilanediol, methyloxirane, methylsilanediol and oxirane, graft (9CI) (CA INDEX NAME)

CM 1

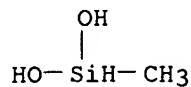
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CMF C₄ H₁₃ N O₂ Si

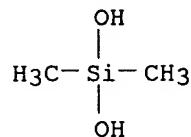
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CRN 43641-90-3

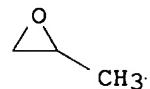
CMF C H₆ O₂ Si



CM 3

CRN 1066-42-8
CMF C2 H8 O2 Si

CM 4

CRN 75-56-9
CMF C3 H6 O

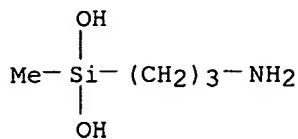
CM 5

CRN 75-21-8
CMF C2 H4 O

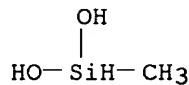
RN 296759-05-2 HCAPLUS
CN Silanediol, (3-aminopropyl)methyl-, polymer with dimethylsilanediol, methylsilanediol and oxirane, graft (9CI) (CA INDEX NAME)

CM 1

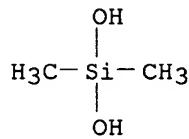
CRN 158465-65-7
CMF C4 H13 N O2 Si



CM 2

CRN 43641-90-3
CMF C H6 O2 Si

CM 3

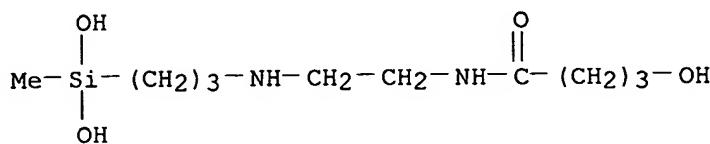
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CMF C2 H8 O2 Si

CM 4

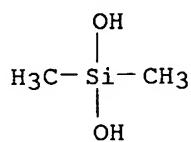
CRN 75-21-8
CMF C2 H4 ORN 332366-70-8 HCAPLUS
CN Butanamide, N-[2-[[3-(dihydroxymethylsilyl)propyl]amino]ethyl]-4-hydroxy-,
polymer with dimethylsilanediol (9CI) (CA INDEX NAME)

CM 1

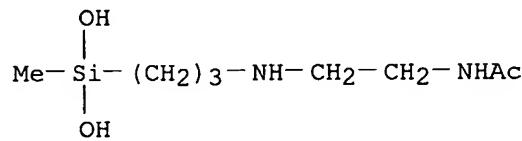
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CMF C10 H24 N2 O4 Si



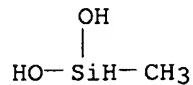
CM 2

CRN 1066-42-8
CMF C2 H8 O2 SiRN 332366-71-9 HCAPLUS
CN Acetamide, N-[2-[[3-(dihydroxymethylsilyl)propyl]amino]ethyl]-, polymer with dimethylsilanediol, methyloxirane, methylsilanediol and oxirane, graft (9CI) (CA INDEX NAME)

CM 1

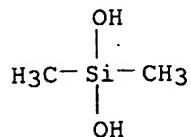
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CMF C8 H20 N2 O3 Si

CM 2

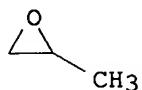
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CMF C H6 O2 Si

CM 3

CRN 1066-42-8
CMF C2 H8 O2 Si



CM 4

CRN 75-56-9
CMF C3 H6 O

CM 5

CRN 75-21-8
CMF C2 H4 O

L20 ANSWER 12 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN
 AN 2001:265553 HCAPLUS
 DN 134:297512
 TI **Fabric softener compositions**
 IN Kvita, Petr; Otto, Peter; Dubini, Mario; Chrobaczek, Harald; Geubtner,
 Michael; Goretzki, Ralf; Weber, Barbara; Martin, Emmanuel
 PA Ciba Specialty Chemicals Holding Inc., Switz.; Ciba Spezialitaetenchemie
 Pfersee G.m.b.H.
 SO PCT Int. Appl., 47 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 IC ICM C11D003-37
 ICS C11D017-04; C11D003-12; C11D001-645; C11D001-62
 CC 46-5 (Surface Active Agents and **Detergents**)
 FAN.CNT 1

applicants

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001025384	A1	20010412	WO 2000-EP9398	20000926
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,			

DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,
CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRAI EP 1999-810898 A 19991005

AB A **compn.** to improve drape and smoothness of **textile** fiber materials in domestic applications comprises (a) a **fabric softener**, (b) .gtoreq.1 additive selected from the group consisting of a **polyethylene** or a mixt., a **fatty acid alkanolamide** or a mixt., a **polysilicic acid** or a mixt., and a **polyurethane** or a mixt., and (c) selected polyorganosiloxane compds. Thus, **textile** materials treated with a **compn.** prep'd. by dissolving molten di(palmcarboxyethyl)hydroxyethylmethylammonium methosulfate (Rewoquat WE 38 DPG) in water and mixing with polydimethylsiloxane hydroxy-terminated, and oxidized **polyethylene** showed improved smoothness.

ST **fabric softener** smoothness **textile** fiber;
polysiloxane quaternary ammonium compd **polyethylene**

IT **fabric softener**

IT Amides, uses

RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)

(N-(hydroxyalkyl); **fabric softener compn.** to improve drape and smoothness of **textile** fiber materials)

IT Quaternary ammonium compounds, uses

RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)

(Rewoquat WE 38 DPG, di(palmcarboxyethyl)hydroxyethyl-Me; **fabric softener compn.** to improve drape and smoothness of **textile** fiber materials)

IT **Fabric softeners**

(**fabric softener compn.** to improve drape and smoothness of **textile** fiber materials)

IT **Polysiloxanes**, uses

RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)

(**fabric softener compn.** to improve drape and smoothness of **textile** fiber materials)

IT Surface smoothness

(of **textile** materials; **fabric softener compn.** to improve drape and smoothness of **textile** fiber materials)

IT 9002-88-4D, **Polyethylene**, oxidized 31692-79-2,

Polydimethylsiloxane hydroxy-terminated 156623-21-1

158465-66-8 254098-49-2D, Trimethylsilyl terminated

296759-05-2D, Trimethylsilyl terminated 332366-70-8D,

Trimethylsilyl terminated 332899-90-8, Rewoquat WE 38DPG

RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)

(**fabric softener compn.** to improve drape and smoothness of **textile** fiber materials)

RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD

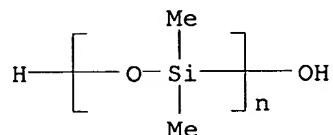
RE

- (1) Butterworth, R; US 5407588 A 1995 HCPLUS
- (2) Colgate Palmolive Co; EP 0413416 A 1991 HCPLUS
- (3) Dow Corning Ltd; DE 3932276 A 1990 HCPLUS
- (4) Henkel Kgaa; EP 0133562 A 1985 HCPLUS
- (5) Henkel Kgaa; EP 0739976 A 1996 HCPLUS
- (6) Kao Corp; EP 0472178 A 1992 HCPLUS
- (7) Mermelstein, R; US 5728673 A 1998 HCPLUS

(8) Pfersee Chem Fab; DE 3926005 A 1991 HCAPLUS
 (9) Procter & Gamble; GB 1549180 A 1979 HCAPLUS
 (10) Procter & Gamble; EP 0150872 A 1985 HCAPLUS
 (11) Zenon, H; US 3992332 A 1976 HCAPLUS

IT 31692-79-2, Polydimethylsiloxane hydroxy-terminated
 156623-21-1 158465-66-8 254098-49-2D,
 Trimethylsilyl terminated 296759-05-2D, Trimethylsilyl
 terminated 332366-70-8D, Trimethylsilyl terminated
 RL: PRP (Properties); TEM (Technical or engineered material use); USES
 (Uses)
 (fabric softener compn. to improve drape
 and smoothness of textile fiber materials)

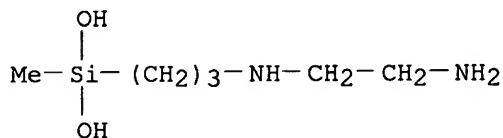
RN 31692-79-2 HCAPLUS
 CN Poly[oxy(dimethylsilylene)], .alpha.-hydro-.omega.-hydroxy- (8CI, 9CI)
 (CA INDEX NAME)



RN 156623-21-1 HCAPLUS
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 dimethylsilanediol (9CI) (CA INDEX NAME)

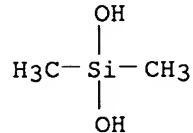
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CRN 83145-66-8
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CM 2

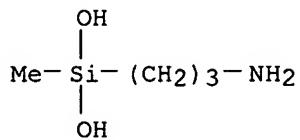
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 CMF C2 H8 O2 Si



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 CN Silanediol, (3-aminopropyl)methyl-, polymer with dimethylsilanediol (9CI)
 (CA INDEX NAME)

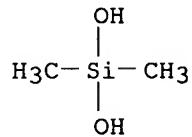
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CM 2

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 CMF C2 H8 O2 Si

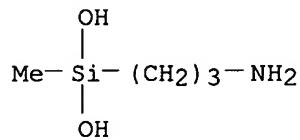


RN 254098-49-2 HCAPLUS

CN Silanediol, (3-aminopropyl)methyl-, polymer with dimethylsilanediol, methyloxirane, methylsilanediol and oxirane, graft (9CI) (CA INDEX NAME)

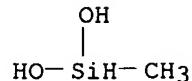
CM 1

CRN 158465-65-7
 CMF C4 H13 N O2 Si

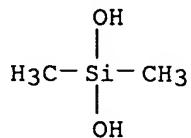


CM 2

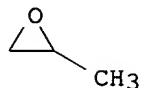
CRN 43641-90-3
 CMF C H6 O2 Si



CM 3

CRN 1066-42-8
CMF C2 H8 O2 Si

CM 4

CRN 75-56-9
CMF C3 H6 O

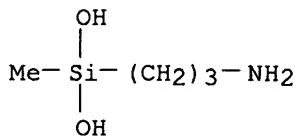
CM 5

CRN 75-21-8
CMF C2 H4 O

RN 296759-05-2 HCAPLUS

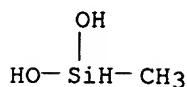
CN Silanediol, (3-aminopropyl)methyl-, polymer with dimethylsilanediol, methylsilanediol and oxirane, graft (9CI) (CA INDEX NAME)

CM 1

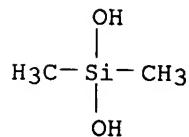
CRN 158465-65-7
CMF C4 H13 N O2 Si

CM 2

CRN 43641-90-3
CMF C H6 O2 Si



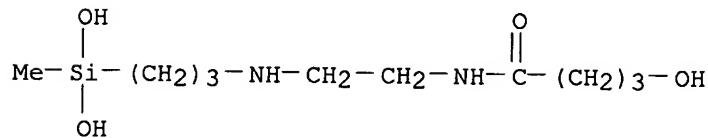
CM 3

CRN 1066-42-8
CMF C2 H8 O2 Si

CM 4

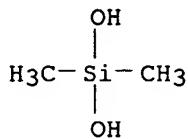
CRN 75-21-8
CMF C2 H4 ORN 332366-70-8 HCPLUS
CN Butanamide, N-[2-[(3-(dihydroxymethylsilyl)propyl]amino]ethyl]-4-hydroxy-,
polymer with dimethylsilanediol (9CI) (CA INDEX NAME)

CM 1

CRN 332366-69-5
CMF C10 H24 N2 O4 Si

CM 2

CRN 1066-42-8
CMF C2 H8 O2 Si



L20 ANSWER 13 OF 38 HCPLUS COPYRIGHT 2003 ACS on STN
 AN 2001:265552 HCPLUS
 DN 134:297511
 TI **Fabric softener compositions**
 IN Kvita, Petr; Otto, Peter; Dubini, Mario; Chrobaczek, Harald; Geubtner, Michael; Goretzki, Ralf; Weber, Barbara; Martin, Emmanuel
 PA Ciba Specialty Chemicals Holding Inc. Switz.; Ciba Spezialitaetenchemie Pfersee G.m.b.H.
 SO PCT Int. Appl., 49 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 IC ICM C11D003-37
 ICS C11D017-04; C11D003-12; C11D001-645; C11D001-62
 CC 46-5 (Surface Active Agents and **Detergents**)
 FAN.CNT 1

applications

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001025383	A1	20010412	WO 2000-EP9396	20000926
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	BR 2000014553	A	20020604	BR 2000-14553	20000926
	EP 1218480	A1	20020703	EP 2000-969305	20000926
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
	JP 2003511574	T2	20030325	JP 2001-528539	20000926
PRAI	EP 1999-810899	A	19991005		
	WO 2000-EP9396	W	20000926		
AB	A compn. for imparting hydrophilicity to textile fiber materials in domestic applications comprises (a) a fabric softener , (b) .gtoreq.1 additive selected from the group consisting of a polyethylene or a mixt., a fatty acid alkanolamide or a mixt., a polysilicic acid or a mixt., and a polyurethane or a mixt., and (c) selected polyorganosiloxane compds. Thus, fabric materials treated with compn. prep'd. by dissolving molten di(palmarboxyethyl)hydroxyethyl methylammonium methosulfate (Rewoquat WE 38 DPG) in water and mixing with polydimethylsiloxane hydroxy-terminated, and oxidized polyethylene showed improved hydrophilicity.				
ST	fabric softener hydrophilicity textile fiber; polysiloxane quaternary ammonium compd polyethylene fabric softener				

IT Amides, uses
RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
(N-(hydroxyalkyl); **fabric softener** for imparting hydrophilicity to textile fiber materials)

IT Quaternary ammonium compounds, uses
RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
(Rewoquat WE 38 DPG, di(palmcarboxyethyl)hydroxyethyl-Me; **fabric softener** for imparting hydrophilicity to textile fiber materials)

IT Fabric softeners
Hydrophilicity
(**fabric softener** for imparting hydrophilicity to textile fiber materials)

IT Polysiloxanes, uses
RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
(**fabric softener** for imparting hydrophilicity to textile fiber materials)

IT 9002-88-4D, Polyethylene, oxidized 31692-79-2, Polydimethylsiloxane hydroxy-terminated 156618-32-5D, Trimethylsilyl terminated 156623-21-1 156623-21-1D, Trimethylsilyl terminated 158465-66-8 254098-49-2D, Trimethylsilyl terminated 296759-05-2D, Trimethylsilyl terminated 332366-70-8D, Trimethylsilyl terminated 332899-90-8, Rewoquat WE 38DPG
RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
(**fabric softener** for imparting hydrophilicity to textile fiber materials)

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

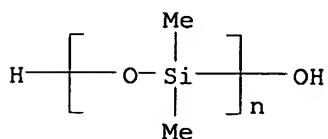
- (1) Butterworth, R; US 5407588 A 1995 HCPLUS
- (2) Ciba Geigy Ag; DE 19818983 A 1998 HCPLUS
- (3) Dow Corning; EP 0356210 A 1990 HCPLUS
- (4) Henkel Kgaa; EP 0133562 A 1985 HCPLUS
- (5) Henkel Kgaa; EP 0739976 A 1996 HCPLUS
- (6) Procter & Gamble; EP 0150872 A 1985 HCPLUS
- (7) Procter & Gamble; EP 0397245 A 1990 HCPLUS
- (8) Procter & Gamble; WO 9524460 A 1995 HCPLUS
- (9) Unilever Plc; EP 0459822 A 1991 HCPLUS

IT 31692-79-2, Polydimethylsiloxane hydroxy-terminated 156618-32-5D, Trimethylsilyl terminated 156623-21-1 156623-21-1D, Trimethylsilyl terminated 158465-66-8 254098-49-2D, Trimethylsilyl terminated 296759-05-2D, Trimethylsilyl terminated 332366-70-8D, Trimethylsilyl terminated

RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
(**fabric softener** for imparting hydrophilicity to textile fiber materials)

RN 31692-79-2 HCPLUS

CN Poly[oxy(dimethylsilylene)], .alpha.-hydro-.omega.-hydroxy- (8CI, 9CI)
(CA INDEX NAME)



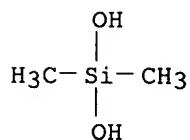
RN 156618-32-5 HCPLUS

CN Silanediol, dimethyl-, polymer with oxirane, graft (9CI) (CA INDEX NAME)

CM 1

CRN 1066-42-8

CMF C2 H8 O2 Si



CM 2

CRN 75-21-8

CMF C2 H4 O



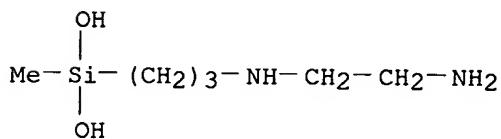
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CN Silanediol, [3-[(2-aminoethyl)amino]propyl]methyl-, polymer with dimethylsilanediol (9CI) (CA INDEX NAME)

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CRN 83145-66-8

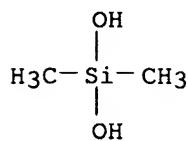
CMF C6 H18 N2 O2 Si



CM 2

CRN 1066-42-8

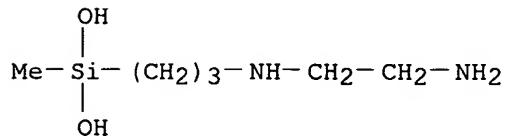
CMF C2 H8 O2 Si



RN 156623-21-1 HCAPLUS
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 dimethylsilanediol (9CI) (CA INDEX NAME)

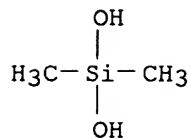
CM 1

CRN 83145-66-8
 CMF C6 H18 N2 O2 Si



CM 2

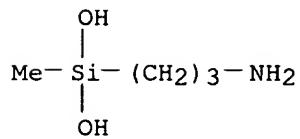
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 CMF C2 H8 O2 Si



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 CN Silanediol, (3-aminopropyl)methyl-, polymer with dimethylsilanediol (9CI)
 (CA INDEX NAME)

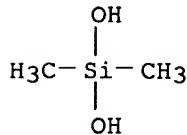
CM 1

CRN 158465-65-7
 CMF C4 H13 N O2 Si



CM 2

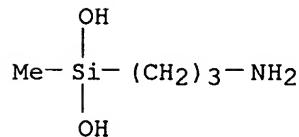
CRN 1066-42-8
 CMF C2 H8 O2 Si



RN 254098-49-2 HCPLUS
 CN Silanediol, (3-aminopropyl)methyl-, polymer with dimethylsilanediol, methyloxirane, methyilsilanediol and oxirane, graft (9CI) (CA INDEX NAME)

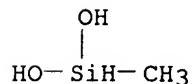
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 CMF C4 H13 N O2 Si



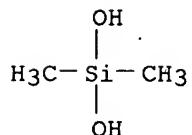
CM 2

CRN 43641-90-3
 CMF C H6 O2 Si



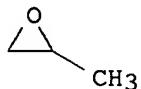
CM 3

CRN 1066-42-8
 CMF C2 H8 O2 Si



CM 4

CRN 75-56-9
 CMF C3 H6 O



CM 5

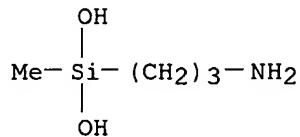
CRN 75-21-8
 CMF C2 H4 O



RN 296759-05-2 HCAPLUS
 CN Silanediol, (3-aminopropyl)methyl-, polymer with dimethylsilanediol, methylsilanediol and oxirane, graft (9CI) (CA INDEX NAME)

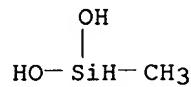
CM 1

CRN 158465-65-7
 CMF C4 H13 N O2 Si



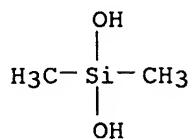
CM 2

CRN 43641-90-3
 CMF C H6 O2 Si



CM 3

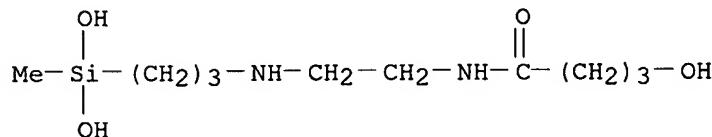
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 CMF C2 H8 O2 Si



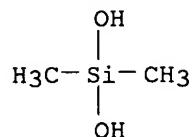
CM 4

CRN 75-21-8
CMF C2 H4 ORN 332366-70-8 HCAPLUS
CN Butanamide, N-[2-[(3-(dihydroxymethylsilyl)propyl)amino]ethyl]-4-hydroxy-, polymer with dimethylsilanediol (9CI) (CA INDEX NAME)

CM 1

CRN 332366-69-5
CMF C10 H24 N2 O4 Si

CM 2

CRN 1066-42-8
CMF C2 H8 O2 Si

L20 ANSWER 14 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN
 AN 2001:265551 HCAPLUS
 DN 134:282505
 TI **Fabric softener compositions**
 IN Kvita, Petr; Otto, Peter; Dubini, Mario; Chrobaczek, Harald; Geubtner, Michael; Goretzki, Ralf; Weber, Barbara; Martin, Emmanuel
 PA Ciba Specialty Chemicals Holding Inc., Switz.; Ciba Spezialitaetenchemie

Pfersee G.m.b.H.
 SO PCT Int. Appl., 46 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 IC ICM C11D003-37
 ICS C11D017-04; C11D003-12; C11D001-645; C11D001-62
 CC 46-5 (Surface Active Agents and Detergents)
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001025382	A1	20010412	WO 2000-EP9395	20000926
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	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				

PRAI EP 1999-810900 A 19991005

AB A compn. for improving the elasticity of textile fiber materials in domestic applications comprises (a) a fabric softener, (b) .gtoreq.1 additive selected from the group consisting of a polyethylene or a mixt., a fatty acid alkanolamide or a mixt., a polysilicic acid or a mixt., and a polyurethane or a mixt., and (c) selected polyorganosiloxane compds. Thus, fabric treated with a compn. prep'd. by dissolving molten di(palmcarboxyethyl)hydroxyethyltrimethylammonium methosulfate (Rewoquat WE 38 DPG) in water and mixing with polydimethylsiloxane hydroxy-terminated, and oxidized polyethylene showed improved elasticity.

ST fabric softener elasticity textile fiber; polysiloxane quaternary ammonium compd polyethylene fabric softener

IT Amides, uses
 RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)

(N-(hydroxyalkyl); fabric softener for improving the elasticity of textile fiber materials)

IT Quaternary ammonium compounds, uses
 RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
 (di(palmcarboxyethyl)hydroxyethyl-Me; fabric softener for improving the elasticity of textile fiber materials)

IT Fabric softeners
 (fabric softener for improving the elasticity of textile fiber materials)

IT Polysiloxanes, uses
 Polyurethanes, uses
 RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
 (fabric softener for improving the elasticity of textile fiber materials)

IT Elasticity
 (of textiles; fabric softener for improving the elasticity of textile fiber materials)

IT 9002-88-4D, **Polyethylene**, oxidized 31692-79-2,
 Polydimethylsiloxane hydroxy-terminated 156618-33-6D,
 Trimethylsilyl terminated 156623-21-1D, Trimethylsilyl
 terminated 158465-66-8 158465-66-8D, Trimethylsilyl
 terminated 162918-92-5 254098-49-2
 332366-70-8D, Trimethylsilyl terminated 332366-71-9D,
 Trimethylsilyl terminated 332899-90-8, Rewoquat WE 38DPG
 RL: PRP (Properties); TEM (Technical or engineered material use); USES
 (Uses)
 (fabric softener for improving the elasticity of
 textile fiber materials)

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

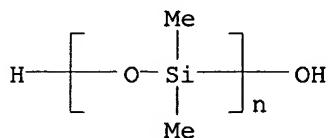
- (1) Bayer Ag; DE 3930410 A 1991 HCPLUS
- (2) Butterworth, R; US 5407588 A 1995 HCPLUS
- (3) Dow Corning; DE 2754704 A 1978 HCPLUS
- (4) Dow Corning Toray Silicone; EP 0770725 A 1997 HCPLUS
- (5) Henkel Kga; EP 0133562 A 1985 HCPLUS
- (6) Henkel Kga; EP 0739976 A 1996 HCPLUS
- (7) Hubesch, B; US 5830843 A 1998 HCPLUS
- (8) Procter & Gamble; EP 0150872 A 1985 HCPLUS
- (9) Unilever Plc; EP 0544493 A 1993 HCPLUS

IT 31692-79-2, Polydimethylsiloxane hydroxy-terminated
 156618-33-6D, Trimethylsilyl terminated 156623-21-1D,
 Trimethylsilyl terminated 158465-66-8 158465-66-8D,
 Trimethylsilyl terminated 162918-92-5 254098-49-2
 332366-70-8D, Trimethylsilyl terminated 332366-71-9D,
 Trimethylsilyl terminated
 RL: PRP (Properties); TEM (Technical or engineered material use); USES
 (Uses)

(fabric softener for improving the elasticity of
 textile fiber materials)

RN 31692-79-2 HCPLUS

CN Poly[oxy(dimethylsilylene)], .alpha.-hydro-.omega.-hydroxy- (8CI, 9CI)
 (CA INDEX NAME)



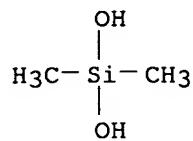
RN 156618-33-6 HCPLUS

CN Silanediol, dimethyl-, polymer with methyloxirane and oxirane, graft (9CI)
 (CA INDEX NAME)

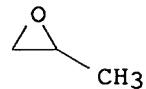
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CRN 1066-42-8

CMF C2 H8 O2 Si



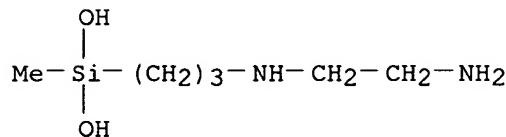
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CRN 75-56-9
CMF C3 H6 O

CM 3

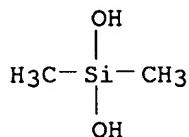
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CN Silanediol, [3-[(2-aminoethyl)amino]propyl]methyl-, polymer with
dimethylsilanediol (9CI) (CA INDEX NAME)

CM 1

CRN 83145-66-8
CMF C6 H18 N2 O2 Si

CM 2

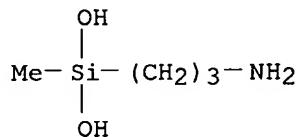
CRN 1066-42-8
CMF C2 H8 O2 Si



RN 158465-66-8 HCPLUS
CN Silanediol, (3-aminopropyl)methyl-, polymer with dimethylsilanediol (9CI)
(CA INDEX NAME)

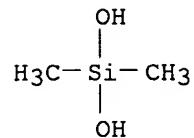
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CMF C4 H13 N O2 Si



CM 2

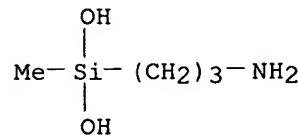
CRN 1066-42-8
CMF C2 H8 O2 Si



RN 158465-66-8 HCPLUS
CN Silanediol, (3-aminopropyl)methyl-, polymer with dimethylsilanediol (9CI)
(CA INDEX NAME)

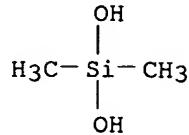
CM 1

CRN 158465-65-7
CMF C4 H13 N O2 Si



CM 2

CRN 1066-42-8
 CMF C2 H8 O2 Si

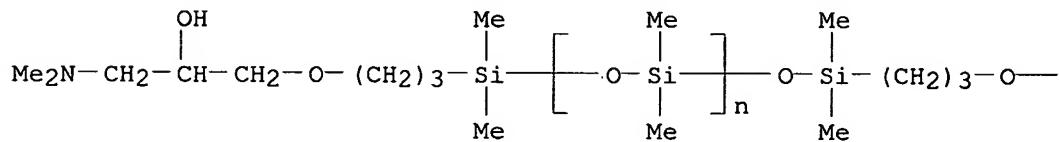


RN 162918-92-5 HCAPLUS
 CN Poly[oxy(dimethylsilylene)], .alpha.-[[3-[3-(dimethylamino)-2-hydroxypropoxy]propyl]dimethylsilyl]-.omega.-[[[3-[3-(dimethylamino)-2-hydroxypropoxy]propyl]dimethylsilyl]oxy]-, diacetate (salt) (9CI) (CA INDEX NAME)

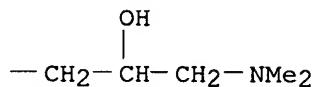
CM 1

CRN 162918-91-4
 CMF (C2 H6 O Si)n C20 H48 N2 O5 Si2
 CCI PMS

PAGE 1-A

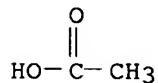


PAGE 1-B



CM 2

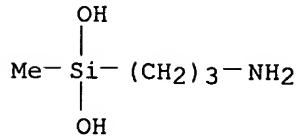
CRN 64-19-7
 CMF C2 H4 O2



RN 254098-49-2 HCAPLUS
 CN Silanediol, (3-aminopropyl)methyl-, polymer with dimethylsilanediol, methyloxirane, methylsilanediol and oxirane, graft (9CI) (CA INDEX NAME)

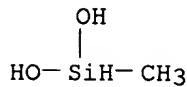
CM 1

CRN 158465-65-7
CMF C4 H13 N O2 Si



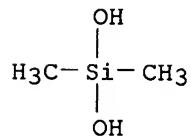
CM 2

CRN 43641-90-3
CMF C H6 O2 Si



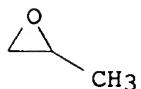
CM 3

CRN 1066-42-8
CMF C2 H8 O2 Si



CM 4

CRN 75-56-9
CMF C3 H6 O



CM 5

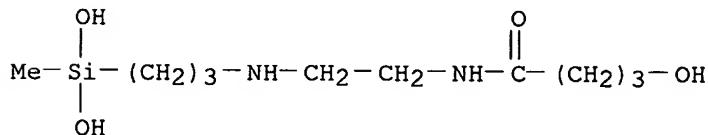
CRN 75-21-8
CMF C2 H4 O



RN 332366-70-8 HCPLUS
 CN Butanamide, N-[2-[(3-(dihydroxymethylsilyl)propyl)amino]ethyl]-4-hydroxy-,
 polymer with dimethylsilanediol (9CI) (CA INDEX NAME)

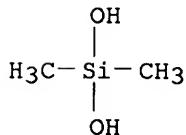
CM 1

CRN 332366-69-5
 CMF C10 H24 N2 O4 Si



CM 2

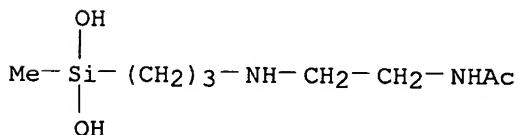
CRN 1066-42-8
 CMF C2 H8 O2 Si



RN 332366-71-9 HCPLUS
 CN Acetamide, N-[2-[(3-(dihydroxymethylsilyl)propyl)amino]ethyl]-, polymer
 with dimethylsilanediol, methyloxirane, methylsilanediol and oxirane,
 graft (9CI) (CA INDEX NAME)

CM 1

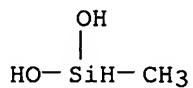
CRN 201551-57-7
 CMF C8 H20 N2 O3 Si



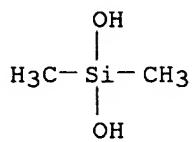
CM 2

CRN 43641-90-3

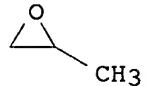
CMF C H6 O2 Si



CM 3

CRN 1066-42-8
CMF C2 H8 O2 Si

CM 4

CRN 75-56-9
CMF C3 H6 O

CM 5

CRN 75-21-8
CMF C2 H4 O

L20 ANSWER 15 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN
 AN 2001:265550 HCAPLUS
 DN 134:282504
 TI **Fabric softener compositions**
 IN Kvita, Petr; Otto, Peter; Dubini, Mario; Chrobaczek, Harald; Geubtner,
 Michael; Goretzki, Ralf; Weber, Barbara; Martin, Emmanuel
 PA Ciba Specialty Chemicals Holding Inc., Switz.; Ciba Spezialitaetenchemie
 Pfersee G.m.b.H.
 SO PCT Int. Appl., 47 pp. *Applicant*
 CODEN: PIXXD2
 DT Patent
 LA English

IC ICM C11D003-37
 ICS C11D017-04; C11D003-12; C11D001-645; C11D001-62
 CC 46-5 (Surface Active Agents and **Detergents**)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001025381	A1	20010412	WO 2000-EP9394	20000926
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	BR 2000014551	A	20020604	BR 2000-14551	20000926
	EP 1218481	A1	20020703	EP 2000-971288	20000926
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, MC, IE, SI, LT, LV, FI, RO, MK, CY, AL				
	JP 2003511573	T2	20030325	JP 2001-528537	20000926
PRAI	EP 1999-810901	A	19991005		
	WO 2000-EP9394	W	20000926		
AB	<p>A softener compn. for antipilling treatment of textile fiber materials in domestic applications comprises (a) a fabric softener (b) .gtoreq.1 additive selected from the group consisting of a polyethylene or a mixt., a fatty acid alkanolamide or a mixt., a polysilicic acid, or a mixt. and a polyurethane, or a mixt. and (c) a selected polyorganosiloxane compd. A compn. was prep'd. by dissolving molten di(palmcarboxyethyl)hydroxyethylmethylammonium methosulfate (Rewoquat WE 38 DPG) in water and mixing with hydroxy-terminated polydimethylsiloxane and oxidized polyethylene showed good antipilling properties.</p>				
ST	<p>fabric softener antipilling textile fiber; polysiloxane quaternary ammonium compd polyethylene fabric softener</p>				
IT	<p>Amides, uses RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses) (N-(hydroxylalkyl); fabric softener for antipilling treatment of textile fiber materials)</p>				
IT	<p>Quaternary ammonium compounds, uses RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses) (di(palmcarboxyethyl)hydroxyethyl-Me; fabric softener for antipilling treatment of textile fiber materials)</p>				
IT	<p>Fabric softeners (fabric softener for antipilling treatment of textile fiber materials)</p>				
IT	<p>Polysiloxanes, uses RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses) (fabric softener for antipilling treatment of textile fiber materials)</p>				
IT	<p>9002-88-4D, Polyethylene, oxidized 31692-79-2, Polydimethylsiloxane hydroxy-terminated 156618-32-5 156618-33-6D, Trimethylsilyl terminated 156623-21-1</p>				

156623-21-1D, Trimethylsilyl terminated 158465-66-8
 158465-66-8D, Trimethylsilyl terminated 162918-92-5D,
 Trimethylsilyl terminated 254098-49-2D, Trimethylsilyl
 terminated 296759-05-2D, Trimethylsilyl terminated
 332899-90-8, Rewoquat WE 38DPG
 RL: PRP (Properties); TEM (Technical or engineered material use); USES
 (Uses)

(fabric softener for antipilling treatment of
 textile fiber materials)

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

- (1) Butterworth, R; US 5407588 A 1995 HCPLUS
- (2) Henkel KgaA; EP 0133562 A 1985 HCPLUS
- (3) Hubesch, B; US 5830843 A 1998 HCPLUS
- (4) Procter & Gamble; EP 0150872 A 1985 HCPLUS
- (5) Procter & Gamble; EP 0397245 A 1990 HCPLUS
- (6) Sasol Chemical Ind; GB 2281316 A 1995 HCPLUS
- (7) Unilever Plc; EP 0459822 A 1991 HCPLUS
- (8) Zenon, H; US 3992332 A 1976 HCPLUS

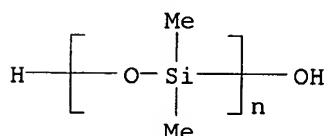
IT 31692-79-2, Polydimethylsiloxane hydroxy-terminated
 156618-32-5 156618-33-6D, Trimethylsilyl terminated
 156623-21-1 156623-21-1D, Trimethylsilyl terminated
 158465-66-8 158465-66-8D, Trimethylsilyl terminated
 162918-92-5D, Trimethylsilyl terminated 254098-49-2D,
 Trimethylsilyl terminated 296759-05-2D, Trimethylsilyl
 terminated

RL: PRP (Properties); TEM (Technical or engineered material use); USES
 (Uses)

(fabric softener for antipilling treatment of
 textile fiber materials)

RN 31692-79-2 HCPLUS

CN Poly[oxy(dimethylsilylene)], .alpha.-hydro-.omega.-hydroxy- (8CI, 9CI)
 (CA INDEX NAME)



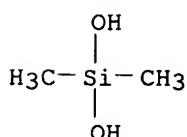
RN 156618-32-5 HCPLUS

CN Silanediol, dimethyl-, polymer with oxirane, graft (9CI) (CA INDEX NAME)

CM 1

CRN 1066-42-8

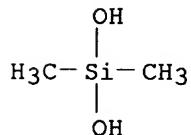
CMF C2 H8 O2 Si



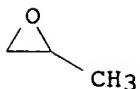
CM 2

CRN 75-21-8
CMF C2 H4 ORN 156618-33-6 HCPLUS
CN Silanediol, dimethyl-, polymer with methyloxirane and oxirane, graft (9CI)
(CA INDEX NAME)

CM 1

CRN 1066-42-8
CMF C2 H8 O2 Si

CM 2

CRN 75-56-9
CMF C3 H6 O

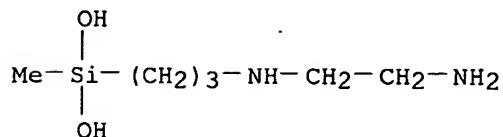
CM 3

CRN 75-21-8
CMF C2 H4 ORN 156623-21-1 HCPLUS
CN Silanediol, [3-[(2-aminoethyl)amino]propyl]methyl-, polymer with
dimethylsilanediol (9CI) (CA INDEX NAME)

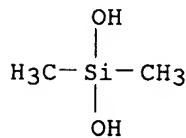
CM 1

CRN 83145-66-8

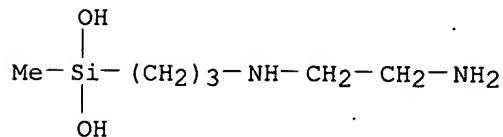
CMF C6 H18 N2 O2 Si



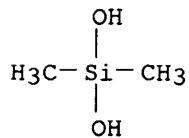
CM 2

CRN 1066-42-8
CMF C2 H8 O2 SiRN 156623-21-1 HCAPLUS
CN Silanediol, [3-[(2-aminoethyl)amino]propyl]methyl-, polymer with dimethylsilanediol (9CI) (CA INDEX NAME)

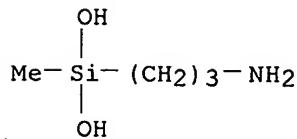
CM 1

CRN 83145-66-8
CMF C6 H18 N2 O2 Si

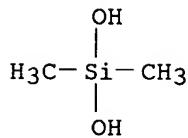
CM 2

CRN 1066-42-8
CMF C2 H8 O2 SiRN 158465-66-8 HCAPLUS
CN Silanediol, (3-aminopropyl)methyl-, polymer with dimethylsilanediol (9CI) (CA INDEX NAME)

CM 1

CRN 158465-65-7
CMF C4 H13 N O2 Si

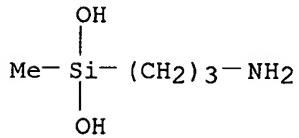
CM 2

CRN 1066-42-8
CMF C2 H8 O2 Si

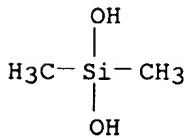
RN 158465-66-8 HCAPLUS

CN Silanediol, (3-aminopropyl)methyl-, polymer with dimethylsilanediol (9CI)
(CA INDEX NAME)

CM 1

CRN 158465-65-7
CMF C4 H13 N O2 Si

CM 2

CRN 1066-42-8
CMF C2 H8 O2 Si

RN 162918-92-5 HCPLUS

CN Poly[oxy(dimethylsilylene)], .alpha.-[[3-[3-(dimethylamino)-2-hydroxypropoxy]propyl]dimethylsilyl]-.omega.-[[[3-[3-(dimethylamino)-2-hydroxypropoxy]propyl]dimethylsilyl]oxy]-, diacetate (salt) (9CI) (CA INDEX NAME)

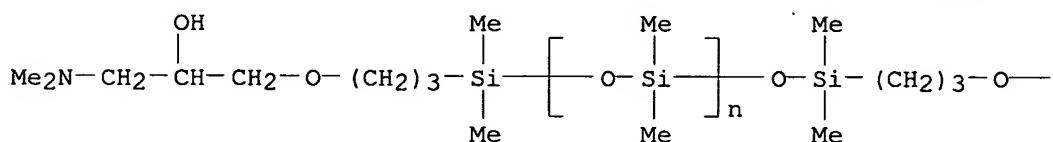
CM 1

CRN 162918-91-4

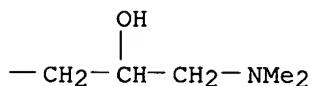
CMF (C₂ H₆ O Si)_n C₂₀ H₄₈ N₂ O₅ Si₂

CCI PMS

PAGE 1-A

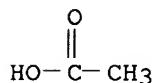


PAGE 1-B



CM 2

CRN 64-19-7

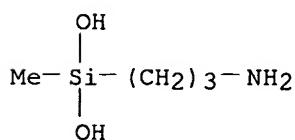
CMF C₂ H₄ O₂

RN 254098-49-2 HCPLUS

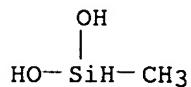
CN Silanediol, (3-aminopropyl)methyl-, polymer with dimethylsilanediol, methyloxirane, methylsilanediol and oxirane, graft (9CI) (CA INDEX NAME)

CM 1

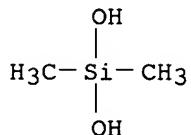
CRN 158465-65-7

CMF C₄ H₁₃ N O₂ Si

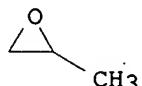
CM 2

CRN 43641-90-3
CMF C H6 O2 Si

CM 3

CRN 1066-42-8
CMF C2 H8 O2 Si

CM 4

CRN 75-56-9
CMF C3 H6 O

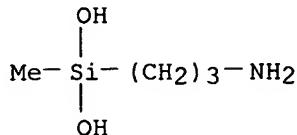
CM 5

CRN 75-21-8
CMF C2 H4 O

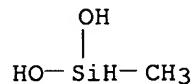
RN 296759-05-2 HCPLUS
CN Silanediol, (3-aminopropyl)methyl-, polymer with dimethylsilanediol, methylsilanediol and oxirane, graft (9CI) (CA INDEX NAME)

CM 1

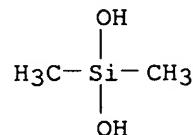
CRN 158465-65-7
CMF C4 H13 N O2 Si



CM 2

CRN 43641-90-3
CMF C H6 O2 Si

CM 3

CRN 1066-42-8
CMF C2 H8 O2 Si

CM 4

CRN 75-21-8
CMF C2 H4 O

L20 ANSWER 16 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN
 AN 2001:265549 HCAPLUS
 DN 134:282503
 TI **Fabric softener compositions**
 IN Kvita, Petr; Otto, Peter; Dubini, Mario; Chrobaczek, Harald; Geubtner,
 Michael; Goretzki, Ralf; Weber, Barbara; Martin, Emmanuel
 PA Ciba Specialty Chemicals Holding Inc., Switz.; Ciba Spezialitaetenchemie
 Pfersee G.m.b.H.
 SO PCT Int. Appl., 50 pp.
 CODEN: PIXXD2
 DT Patent

applicants

LA English
 IC ICM C11D003-37
 ICS C11D017-04; C11D003-12; C11D001-645; C11D001-62
 CC 46-5 (Surface Active Agents and Detergents)
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001025380	A1	20010412	WO 2000-EP9393	20000926
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	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	BR 2000014502	A	20020611	BR 2000-14502	20000926
	EP 1218479	A1	20020703	EP 2000-967790	20000926
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, MC, IE, SI, LT, LV, FI, RO, MK, CY, AL				
	JP 2003511572	T2	20030325	JP 2001-528536	20000926
PRAI	EP 1999-810902	A	19991005		
	WO 2000-EP9393	W	20000926		
AB	A compn. for enhancing the abrasion resistance of textile fiber materials in domestic applications, comprises (a) a fabric softener (b) .gtoreq.1 additive selected from the group consisting of a polyethylene or a mixt., a fatty acid alkanolamide or a mixt., a polysilicic acid or a mixt. and (d) a polyurethane or a mixt. and (c) a selected polyorganosiloxane compd. Thus, a compn. was prep'd. by dissolving molten di(palmarcarboxyethyl)hydroxyethylmethylammonium methosulfate (Rewoquat WE 38 DPG) in water and mixing with hydroxy-terminated polydimethylsiloxane and oxidized polyethylene and showed improved abrasion resistance of textile.				
ST	fabric softener abrasion resistance textile fiber; quaternary ammonium compd polysiloxane polyethylene oxidized fabric softener				
IT	Amides, uses RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses) (N-(hydroxyalkyl), fatty acid; fabric softener compn. for enhancing the abrasion resistance of textile fiber materials in domestic applications)				
IT	Fabric softeners (fabric softener compn. for enhancing the abrasion resistance of textile fiber materials in domestic applications)				
IT	Quaternary ammonium compounds, uses RL: BSU (Biological study, unclassified); MFM (Metabolic formation); TEM (Technical or engineered material use); BIOL (Biological study); FORM (Formation, nonpreparative); USES (Uses) (fabric softener compn. for enhancing the abrasion resistance of textile fiber materials in domestic applications)				
IT	Polysiloxanes, uses Polyurethanes, uses RL: PRP (Properties); TEM (Technical or engineered material use); USES				

(Uses)

(**fabric softener compn.** for enhancing the abrasion resistance of **textile** fiber materials in domestic applications)

IT 9002-88-4D, **Polyethylene**, oxidized 31692-79-2, Polydimethylsiloxane hydroxy-terminated 156618-32-5D, Trimethylsilyl terminated 156618-33-6D, Trimethylsilyl terminated 156623-21-1 156623-21-1D, Trimethylsilyl terminated 158465-66-8 158465-66-8D, Trimethylsilyl terminated 162918-92-5 254098-49-2D, Trimethylsilyl terminated 332366-70-8D, Trimethylsilyl terminated 332366-71-9D, Trimethylsilyl terminated 332899-90-8, Rewoquat WE 38DPG

RL: PRP (Properties); TEM (Technical or engineered material use); USES

(Uses)

(**fabric softener compn.** for enhancing the abrasion resistance of **textile** fiber materials in domestic applications)

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

- (1) Butterworth, R; US 5407588 A 1995 HCPLUS
- (2) Henkel Kgaa; EP 0133562 A 1985 HCPLUS
- (3) Hubesch, B; US 5830843 A 1998 HCPLUS
- (4) Procter & Gamble; EP 0150872 A 1985 HCPLUS
- (5) Procter & Gamble; EP 0397245 A 1990 HCPLUS
- (6) Procter & Gamble; EP 0919608 A 1999 HCPLUS
- (7) Sasol Chemical Ind; GB 2281316 A 1995 HCPLUS
- (8) Unilever Plc; EP 0459822 A 1991 HCPLUS

IT 31692-79-2, Polydimethylsiloxane hydroxy-terminated 156618-32-5D, Trimethylsilyl terminated 156618-33-6D, Trimethylsilyl terminated 156623-21-1 156623-21-1D, Trimethylsilyl terminated 158465-66-8 158465-66-8D, Trimethylsilyl terminated 162918-92-5 254098-49-2D, Trimethylsilyl terminated 332366-70-8D, Trimethylsilyl terminated 332366-71-9D, Trimethylsilyl terminated

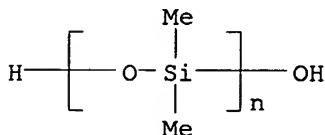
RL: PRP (Properties); TEM (Technical or engineered material use); USES

(Uses)

(**fabric softener compn.** for enhancing the abrasion resistance of **textile** fiber materials in domestic applications)

RN 31692-79-2 HCPLUS

CN Poly[oxy(dimethylsilylene)], .alpha.-hydro-.omega.-hydroxy- (8CI, 9CI)
(CA INDEX NAME)



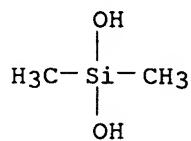
RN 156618-32-5 HCPLUS

CN Silanediol, dimethyl-, polymer with oxirane, graft (9CI) (CA INDEX NAME)

CM 1

CRN 1066-42-8

CMF C2 H8 O2 Si

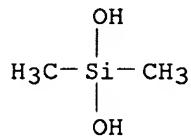


CM 2

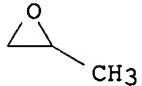
CRN 75-21-8
CMF C2 H4 O

RN 156618-33-6 HCAPLUS
 CN Silanediol, dimethyl-, polymer with methyloxirane and oxirane, graft (9CI)
 (CA INDEX NAME)

CM 1

CRN 1066-42-8
CMF C2 H8 O2 Si

CM 2

CRN 75-56-9
CMF C3 H6 O

CM 3

CRN 75-21-8
CMF C2 H4 O



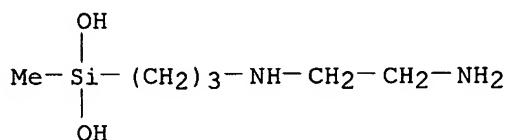
RN 156623-21-1 HCPLUS

CN Silanediol, [3-[(2-aminoethyl)amino]propyl]methyl-, polymer with dimethylsilanediol (9CI) (CA INDEX NAME)

CM 1

CRN 83145-66-8

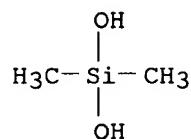
CMF C6 H18 N2 O2 Si



CM 2

CRN 1066-42-8

CMF C2 H8 O2 Si



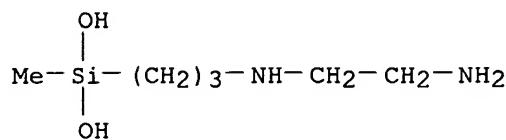
RN 156623-21-1 HCPLUS

CN Silanediol, [3-[(2-aminoethyl)amino]propyl]methyl-, polymer with dimethylsilanediol (9CI) (CA INDEX NAME)

CM 1

CRN 83145-66-8

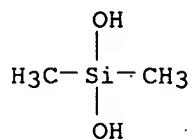
CMF C6 H18 N2 O2 Si



CM 2

CRN 1066-42-8

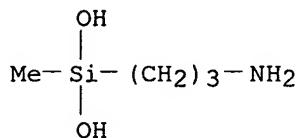
CMF C2 H8 O2 Si



RN 158465-66-8 HCPLUS
 CN Silanediol, (3-aminopropyl)methyl-, polymer with dimethylsilanediol (9CI)
 (CA INDEX NAME)

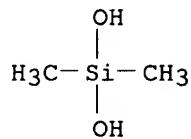
CM 1

CRN 158465-65-7
 CMF C4 H13 N O2 Si



CM 2

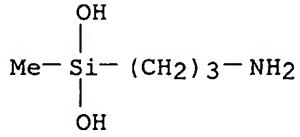
CRN 1066-42-8
 CMF C2 H8 O2 Si



RN 158465-66-8 HCPLUS
 CN Silanediol, (3-aminopropyl)methyl-, polymer with dimethylsilanediol (9CI)
 (CA INDEX NAME)

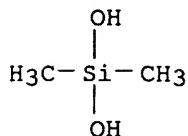
CM 1

CRN 158465-65-7
 CMF C4 H13 N O2 Si



CM 2

CRN 1066-42-8
CMF C2 H8 O2 S



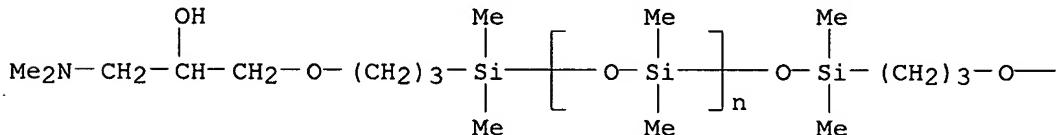
RN 162918-92-5 HCAPLUS

CN Poly[oxy(dimethylsilylene)], .alpha.-[(3-[3-(dimethylamino)-2-hydroxypropoxy]propyl]dimethylsilyl]-.omega.-[[[3-[3-(dimethylamino)-2-hydroxypropoxy]propyl]dimethylsilyl]oxy]-, diacetate (salt) (9CI) (CA INDEX NAME)

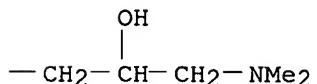
CM 1

CRN 162918-91-4
CMF (C2 H6 O Si)n C20 H48 N2 O5 Si2
CCI PMS

PAGE 1-A

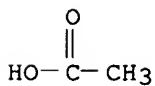


PAGE 1-B



CM 2

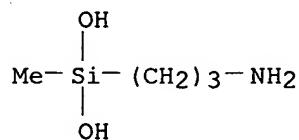
CRN 64-19-7
CMF C2 H4 O2



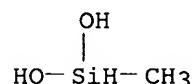
RN 254098-49-2 HCAPLUS

CN Silanediol, (3-aminopropyl)methyl-, polymer with dimethylsilanediol, methyloxirane, methylsilanediol and oxirane, graft (9CI) (CA INDEX NAME)

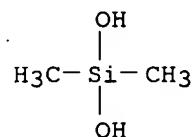
CM 1

CRN 158465-65-7
CMF C4 H13 N O2 Si

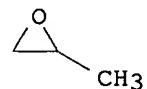
CM 2

CRN 43641-90-3
CMF C H6 O2 Si

CM 3

CRN 1066-42-8
CMF C2 H8 O2 Si

CM 4

CRN 75-56-9
CMF C3 H6 O

CM 5

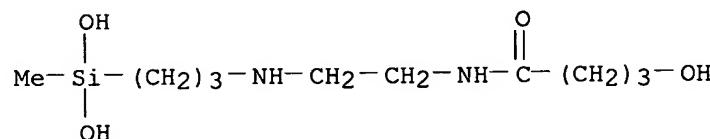
CRN 75-21-8
CMF C2 H4 O



RN 332366-70-8 HCPLUS
 CN Butanamide, N-[2-[[3-(dihydroxymethylsilyl)propyl]amino]ethyl]-4-hydroxy-,
 polymer with dimethylsilanediol (9CI) (CA INDEX NAME)

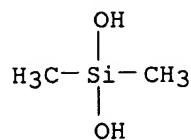
CM 1

CRN 332366-69-5
 CMF C10 H24 N2 O4 Si



CM 2

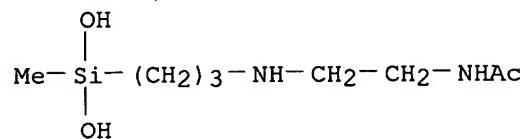
CRN 1066-42-8
 CMF C2 H8 O2 Si



RN 332366-71-9 HCPLUS
 CN Acetamide, N-[2-[[3-(dihydroxymethylsilyl)propyl]amino]ethyl]-, polymer
 with dimethylsilanediol, methyloxirane, methylsilanediol and oxirane,
 graft (9CI) (CA INDEX NAME)

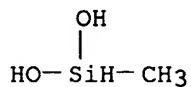
CM 1

CRN 201551-57-7
 CMF C8 H20 N2 O3 Si

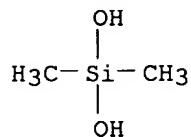


CM 2

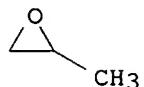
CRN 43641-90-3
 CMF C H6 O2 Si



CM 3

CRN 1066-42-8
CMF C2 H8 O2 Si

CM 4

CRN 75-56-9
CMF C3 H6 O

CM 5

CRN 75-21-8
CMF C2 H4 O

L20 ANSWER 17 OF 38 HCPLUS COPYRIGHT 2003 ACS on STN
 AN 2001:114842 HCPLUS
 DN 134:164861
 TI Process for cleaning textile using **compositions** containing
 siloxanes
 IN Mei, Wang Ping; Wu, Peter S.; Chiang, Samuel N.
 PA Dow Corning Taiwan, Ltd., Taiwan
 SO Eur. Pat. Appl., 11 pp.
 CODEN: EPXXDW
 DT Patent
 LA English
 IC ICM C11D003-16
 ICS C11D003-04; C11D003-10; C11D001-38

ICI C11D001-62

CC 46-5 (Surface Active Agents and Detergents)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1076088	A1	20010214	EP 1999-119749	19991006
		R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO		
PRAI	KR 1999-32449	A	19990807		
AB	Title process comprises applying a compn. comprising a low mol. wt. linear siloxane represented by the formula $CH_3((CH_3)_2SiO)_nSi(CH_3)_2CH_3$ wherein n is an integer from 1 to 7, and a cationic surfactant to stained textiles and heating it in the presence of an inorg. base compd. at a temp. below which the textiles are deteriorated. Thus, a compn. comprising decamethyltetrasiloxane 0.66, trilaurylmethylammonium chloride 0.19, polyethylene glycol 2,6,8-trimethyl-4-nonyl ether 0.06, polyethylene glycol C12-15 sec-alkyl ether 0.31, polyethylene glycol C12-14 sec-alkyl ether 0.103, water 0.49, org. solvents 0.187 removed an oil spot on a cotton fabric completely in 90.degree. water contg. NaOH.				
ST	textile cleaning compn siloxane cationic surfactant				
IT	Polyoxyalkylenes, uses				
	RL: TEM (Technical or engineered material use); USES (Uses) (C12-15 sec-alkyl ethers, nonionic surfactant; siloxane-contg. textile cleaning compns. useful for oily or silicone stains)				
IT	Quaternary ammonium compounds, uses				
	RL: TEM (Technical or engineered material use); USES (Uses) (cationic surfactant; siloxane-contg. textile cleaning compns. useful for oily or silicone stains)				
IT	Surfactants				
	(cationic; siloxane-contg. textile cleaning compns. useful for oily or silicone stains)				
IT	Textiles				
	(cotton; siloxane-contg. textile cleaning compns. useful for oily or silicone stains)				
IT	Detergents				
	(laundry, liq., optionally emulsion; siloxane-contg. textile cleaning compns. useful for oily or silicone stains)				
IT	Surfactants				
	(nonionic; siloxane-contg. textile cleaning compns. useful for oily or silicone stains)				
IT	Fabric softeners				
	(silicone-type; siloxane-contg. textile cleaning compns. useful for oily or silicone stains)				
IT	Polysiloxanes, uses				
	RL: POF (Polymer in formulation); REM (Removal or disposal); TEM (Technical or engineered material use); PROC (Process); USES (Uses) (siloxane-contg. textile cleaning compns. useful for oily or silicone stains)				
IT	112-02-7, Cetyltrimethylammonium chloride 1875-92-9D, Benzyldimethylamine hydrochloride, alkyl derivs. 3401-74-9, Didodecyldimethylammonium chloride 7173-54-8, Trilaurylmethylammonium chloride				
	RL: TEM (Technical or engineered material use); USES (Uses) (cationic surfactant; siloxane-contg. textile cleaning compns. useful for oily or silicone stains)				
IT	25322-68-3D, Polyethylene glycol, C12-15 sec-alkyl ethers 60828-78-6				

RL: TEM (Technical or engineered material use); USES (Uses)
 (nonionic surfactant; siloxane-contg. textile cleaning compns. useful
 for oily or silicone stains)

IT 107-46-0, Hexamethyldisiloxane 107-51-7, Octamethyltrisiloxane
 141-62-8, Decamethyltetrasiloxane 144-55-8, Sodium hydrogen carbonate,
 uses 497-19-8, Sodium carbonate, uses 1310-58-3, Potassium hydroxide,
 uses 1310-73-2, Sodium hydroxide, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (siloxane-contg. textile cleaning compns. useful for oily or silicone
 stains)

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

- (1) Dow Corning Corp; US 2710843 A 1955 HCAPLUS
- (2) Dow Corning Taiwan Ltd; DE 19948186 A 2000 HCAPLUS
- (3) Kasprzak, K; US 4685930 A 1987 HCAPLUS
- (4) Nickel, F; US 4654041 A 1987 HCAPLUS
- (5) Tokyo Shibaura Electric Co; EP 0458969 A 1991 HCAPLUS

L20 ANSWER 18 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 2001:25655 HCAPLUS

DN 134:87561

TI Fiber treatment **composition** containing amine-, polyol-,
 functional siloxanes

IN Evans, Martin John; Griffin, Howard Edwin; Kemp, Raymond; Kennan, Linda
 Denise; Zimmerman, Kenneth Edward

PA Dow Corning Corporation, USA; Dow Corning, Ltd.

SO U.S., 8 pp.

CODEN: USXXAM

DT Patent

LA English

IC ICM D06M015-643

ICS D06M023-00

NCL 252008810

CC 40-9 (**Textiles** and **Fibers**)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6171515	B1	20010109	US 1999-389142	19990902
	EP 1081271	A1	20010307	EP 2000-118813	20000831
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	JP 2001115030	A2	20010424	JP 2000-266053	20000901

PRAI US 1999-389142 A 19990902

AB The title emulsion **compn.** provides good hand, resistance to
 yellowing, and hydrophilicity to the fibers in **textiles**. The
 title emulsion also contains an epoxy-, glycol siloxane.

ST amine polyol siloxane finishing agent **textile**; **textile**
 finishing agent emulsion; yellowing resistance hydrophilicity finish
 emulsion; cotton **textile** finishing agent; softness
 hydrophilicity finish emulsion

IT **Textiles**

(cotton; fiber treatment **compn.** contg. amine-,
 polyol-functional siloxanes and epoxy glycol siloxane)

IT Polyolefin fibers

RL: PEP (Physical, engineering or chemical process); PROC (Process)
 (ethylene; fiber treatment **compn.** contg. amine-,
 polyol-functional siloxanes and epoxy glycol siloxane)

IT **Fabric softeners**

Silk
Wool

(fiber treatment compn. contg. amine-, polyol-functional siloxanes and epoxy glycol siloxane)

IT Acetate fibers, processes

Acrylic fibers, processes

Polyamide fibers, processes

Polyester fibers, processes

Polypropene fibers, processes

Rayon, processes

RL: PEP (Physical, engineering or chemical process); PROC (Process)

(fiber treatment compn. contg. amine-, polyol-functional siloxanes and epoxy glycol siloxane)

IT Textiles

(linen; fiber treatment compn. contg. amine-, polyol-functional siloxanes and epoxy glycol siloxane)

IT Polysiloxanes, uses

RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)

(polyether-, quaternized; fiber treatment compn. contg. amine-, polyol-functional siloxanes and epoxy glycol siloxane)

IT Polyethers, uses

RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)

(siloxane-, quaternized; fiber treatment compn. contg. amine-, polyol-functional siloxanes and epoxy glycol siloxane)

IT 106-92-3D, Allyl glycidyl ether, reaction products with polysiloxanes

52232-27-6D, **Polyethylene polypropylene** glycol allyl

methyl ether, reaction products with polysiloxanes **156118-35-3D**,

Dimethylsilanediol-methylsilanediol copolymer, trimethylsilyl-terminated, amine- polyol-functional

RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)

(fiber treatment compn. contg. amine-, polyol-functional siloxanes and epoxy glycol siloxane)

RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

- (1) Anon; EP 0399706 A2 1990 HCPLUS
- (2) Cray; US 5100991 1992 HCPLUS
- (3) Cray; US 5118535 1992 HCPLUS
- (4) Cray; US 5925779 1999 HCPLUS
- (5) Czech; US 5593611 1997 HCPLUS
- (6) Gee; US 5925469 1999 HCPLUS
- (7) Halloran; US 5707434 1998 HCPLUS
- (8) Halloran; US 5707435 1998 HCPLUS
- (9) Ichinohe; US 4409267 1983 HCPLUS
- (10) Lane; US 4661577 1987 HCPLUS
- (11) Lane; US 4705704 1987 HCPLUS
- (12) Lautenschlager; "Structure Activity Relationships of Aminofunctional Siloxanes as Components in Softening Finishes", Textile Chemist and Colorist 1995, V27(3), P27 HCPLUS
- (13) Martin; US 3890269 1975 HCPLUS
- (14) Ona; US 4311626 1982 HCPLUS
- (15) Ona; US 4359545 1982 HCPLUS
- (16) Ona; US 4427815 1984 HCPLUS
- (17) Tanaka; US 4680366 1987 HCPLUS
- (18) Tanaka; US 4757121 1988 HCPLUS
- (19) Traver; US 5132443 1992 HCPLUS

(20) White; US 4599438 1986 HCPLUS

(21) White; US 4624676 1986 HCPLUS

IT 156118-35-3D, Dimethylsilanediol-methylsilanediol copolymer, trimethylsilyl-terminated, amine- polyol-functional
 RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
 (fiber treatment compn. contg. amine-, polyol-functional siloxanes and epoxy glycol siloxane)

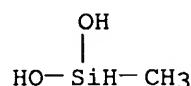
RN 156118-35-3 HCPLUS

CN Silanediol, dimethyl-, polymer with methylsilanediol (9CI) (CA INDEX NAME)

CM 1

CRN 43641-90-3

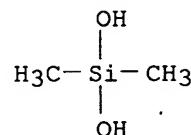
CMF C H6 O2 Si



CM 2

CRN 1066-42-8

CMF C2 H8 O2 Si



L20 ANSWER 19 OF 38 HCPLUS COPYRIGHT 2003 ACS on STN

AN 2001:1215 HCPLUS

DN 134:57916

TI Nitrogen atom-containing polysiloxanes, their preparation, and use in fiber and fabric finishing agent compositions

IN Omura, Naoki; Isobe, Kenichi

PA Shin-Etsu Chemical Co., Ltd., Japan

SO Eur. Pat. Appl., 35 pp.

CODEN: EPXXDW

DT Patent

LA English

IC ICM D06M015-643

ICS C08L083-06

CC 40-9 (Textiles and Fibers)
 Section cross-reference(s): 37

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1063344	A2	20001227	EP 2000-305285	20000622
	EP 1063344	A3	20020410		

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO

JP 2001011186	A2	20010116	JP 1999-180093	19990625
JP 2001011187	A2	20010116	JP 1999-180094	19990625
US 6515095	B1	20030204	US 2000-599023	20000621
CN 1287130	A	20010314	CN 2000-118735	20000623

PRAI JP 1999-180093 A 19990625
 JP 1999-180094 A 19990625

AB The title polysiloxanes having residual alkoxy groups are effective for treating fibers or fibrous materials for imparting softness and durability of home laundering and preventing yellowing. Thus, an emulsion contg. aminoethylaminopropyl-terminated polydimethylsiloxane was tested on cotton fabric and cotton-polyester fabric showing good softness, good washfastness (washed 10 times), and very little (b value) yellowing.

ST polysiloxane nitrogen contg fabric finishing agent; aminoalkyl terminated polydimethylsiloxane

IT **Fabric** finishing
 (agents; aminoalkyl-terminated polysiloxanes for fiber and fabric finishing agent compns. showing softness, durability, and yellowing resistance)

IT **Fabric softeners**
 (aminoalkyl-terminated polysiloxanes for fiber and fabric finishing agent compns. showing softness, durability, and yellowing resistance)

IT **Polysiloxanes, uses**
 RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (aminoalkyl-terminated; aminoalkyl-terminated polysiloxanes for fiber and fabric finishing agent compns. showing softness, durability, and yellowing resistance)

IT **Textiles**
 (cotton-polyester; aminoalkyl-terminated polysiloxanes for fiber and fabric finishing agent compns. showing softness, durability, and yellowing resistance)

IT **Textiles**
 (cotton; aminoalkyl-terminated polysiloxanes for fiber and fabric finishing agent compns. showing softness, durability, and yellowing resistance)

IT 126021-43-0DP, **Polyethylene** glycol butyl glycidyl ether, reaction products with aminoethylaminopropyl-terminated polydimethylsiloxane 158296-66-3P 168202-72-0P
 168202-73-1P 313998-76-4P 313998-77-5P
 313998-78-6P 313998-79-7P 313998-80-0P
 RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (aminoalkyl-terminated polysiloxanes for fiber and fabric finishing agent compns. showing softness, durability, and yellowing resistance)

IT 1760-24-3, N.-beta.- (Aminoethyl) .gamma.-aminopropyltrimethoxysilane
 3069-29-2, N.-beta.- (Aminoethyl) .gamma.-aminopropylmethyldimethoxysilane
 3663-44-3, .gamma.-Aminopropylmethyldimethoxysilane 31692-79-2,
 Hydroxy-terminated polydimethylsiloxane 31900-57-9,
 Dimethylsilanediol homopolymer 78051-20-4
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (aminoalkyl-terminated polysiloxanes for fiber and fabric finishing agent compns. showing softness, durability, and yellowing resistance)

IT 158296-66-3P 168202-72-0P 168202-73-1P
 313998-76-4P 313998-77-5P 313998-78-6P
 313998-79-7P 313998-80-0P

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (aminoalkyl-terminated polysiloxanes for fiber and **fabric** finishing agent compns. showing softness, durability, and yellowing resistance)

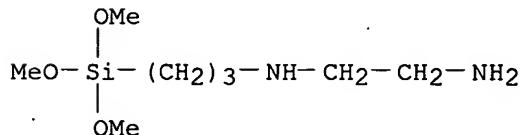
RN 158296-66-3 HCAPLUS

CN Silanediol, dimethyl-, polymer with N-[3-(trimethoxysilyl)propyl]-1,2-ethanediamine (9CI) (CA INDEX NAME)

CM 1

CRN 1760-24-3

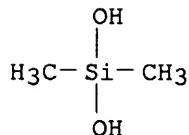
CMF C8 H22 N2 O3 Si



CM 2

CRN 1066-42-8

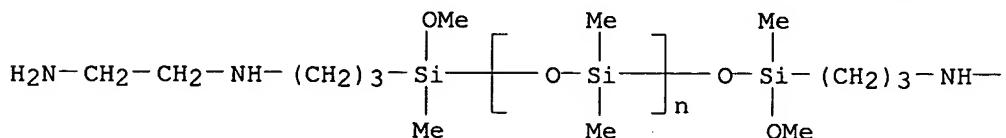
CMF C2 H8 O2 Si



RN 168202-72-0 HCAPLUS

CN Poly[oxy(dimethylsilylene)], .alpha.-[[3-[(2-aminoethyl)amino]propyl]methoxymethylsilyl]-.omega.-[[[3-[(2-aminoethyl)amino]propyl]methoxymethylsilyloxy]- (9CI) (CA INDEX NAME)

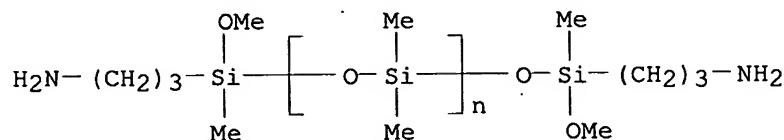
PAGE 1-A



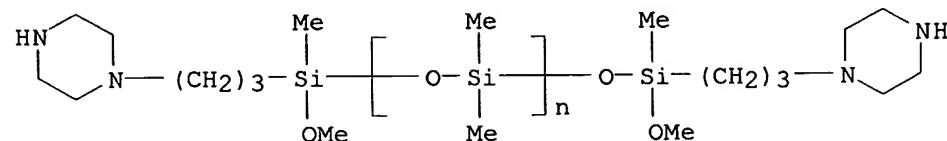
PAGE 1-B

— CH₂— CH₂— NH₂

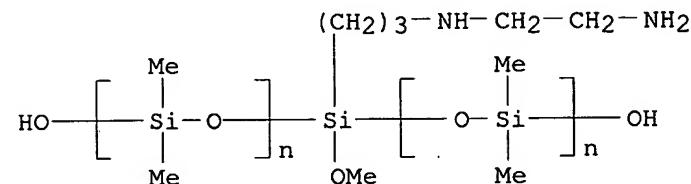
RN 168202-73-1 HCAPLUS
 CN Poly[oxy(dimethylsilylene)], .alpha.-[(3-aminopropyl)methoxymethylsilyl]-.omega.-[(3-aminopropyl)methoxymethylsilyl]oxy- (9CI) (CA INDEX NAME)



RN 313998-76-4 HCAPLUS
 CN Poly[oxy(dimethylsilylene)], .alpha.-[methoxy[3-(1-piperazinyl)propyl]methoxysilyl]-.omega.-[methoxy[3-(1-piperazinyl)propyl]methoxysilyl]oxy- (9CI) (CA INDEX NAME)

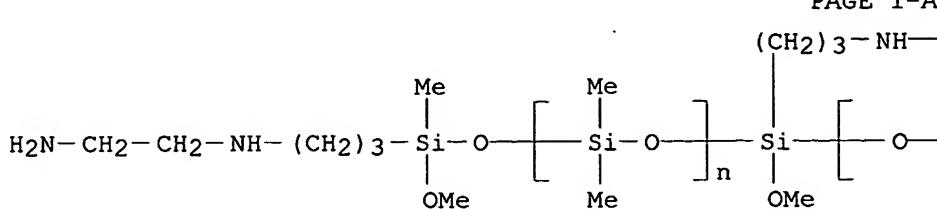


RN 313998-77-5 HCAPLUS
 CN Poly[oxy(dimethylsilylene)], .alpha.,.alpha.'-[(3-[(2-aminoethyl)amino]propyl)methoxysilylene]bis[.omega.-hydroxy- (9CI) (CA INDEX NAME)

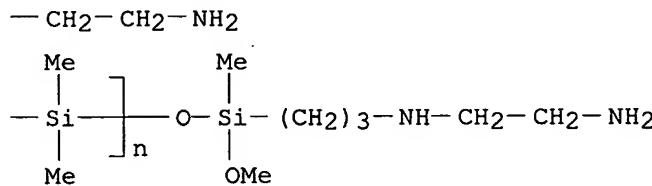


RN 313998-78-6 HCAPLUS
 CN Poly[oxy(dimethylsilylene)], .alpha.,.alpha.'-[(3-[(2-aminoethyl)amino]propyl)methoxysilylene]bis[.omega.-[(3-[(2-aminoethyl)amino]propyl)methoxymethylsilyl]oxy- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B



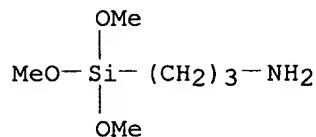
RN 313998-79-7 HCAPLUS

CN Silanediol, dimethyl-, polymer with 3-(trimethoxysilyl)-1-propanamine
(9CI) (CA INDEX NAME)

CM 1

CRN 13822-56-5

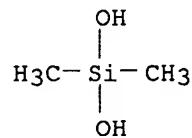
CMF C6 H17 N O3 Si



CM 2

CRN 1066-42-8

CMF C2 H8 O2 Si

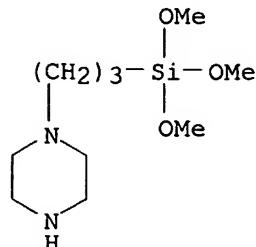


RN 313998-80-0 HCAPLUS

CN Silanediol, dimethyl-, polymer with 1-[3-(trimethoxysilyl)propyl]piperazine
(9CI) (CA INDEX NAME)

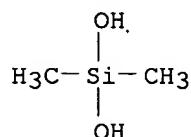
CM 1

CRN 40762-28-5
 CMF C10 H24 N2 O3 Si

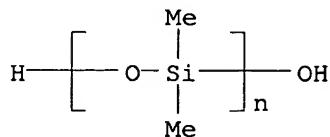


CM 2

CRN 1066-42-8
 CMF C2 H8 O2 Si



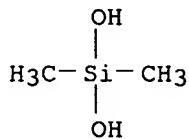
IT 31692-79-2, Hydroxy-terminated polydimethylsiloxane
 31900-57-9, Dimethylsilanediol homopolymer
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (aminoalkyl-terminated polysiloxanes for fiber and **fabric**
 finishing agent compns. showing softness, durability, and yellowing
 resistance)
 RN 31692-79-2 HCPLUS
 CN Poly[oxy(dimethylsilylene)], .alpha.-hydro-.omega.-hydroxy- (8CI, 9CI)
 (CA INDEX NAME)



RN 31900-57-9 HCPLUS
 CN Silanediol, dimethyl-, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 1066-42-8
 CMF C2 H8 O2 Si



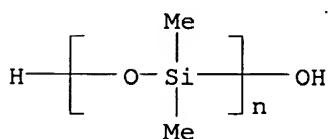
L20 ANSWER 20 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN
 AN 2000:842343 HCAPLUS
 DN 134:30641
 TI Stabilization of fabric softening compositions
 IN Clarke, David Ellis; Small, Samantha
 PA Unilever PLC, UK; Unilever NV; Hindustan Lever Limited
 SO PCT Int. Appl., 39 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 IC ICM D06M015-643
 ICS D06M013-463; C11D003-37; C11D001-62; C11D017-00; C11D003-00;
 C11D003-50
 CC 46-5 (Surface Active Agents and Detergents)
 Section cross-reference(s): 40
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000071807	A1	20001130	WO 2000-EP4224	20000508
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	EP 1190136	A1	20020327	EP 2000-936732	20000508
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	EP 1335062	A2	20030813	EP 2003-7246	20000508
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY				
	US 6303565	B1	20011016	US 2000-569663	20000512
	US 6251850	B1	20010626	US 2000-570864	20000515
PRAI	GB 1999-11942	A	19990521		
	GB 1999-14266	A	19990618		
	EP 2000-931176	A3	20000508		
	WO 2000-EP4224	W	20000508		
AB	A process of improving the viscosity stability upon storage at temp. of 25-40.degree. of a fabric softening compn. comprising: (a) 8-50 wt.% of a cationic fabric softening agent and (b) perfume is characterized by inclusion of 3.5-15 wt.% (based upon the total amt. of the compn.) of an emulsified silicone which has been emulsified with one or more cationic surfactants. In one aspect, the viscosity of the silicone before emulsification is 10,000-400,000 cSt and the emulsion is a macro-emulsion. In another aspect, the median emulsified silicone droplet size is 0.2-25 .mu.m.				

ST silicone emulsified stabilizer **fabric softener**
 IT Surfactants
 (cationic; stabilization of **fabric softening**
 compns.)
 IT Quaternary ammonium compounds, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (coco alkyltrimethyl, methosulfate, pentaethoxylated Me; stabilization
 of **fabric softening** compns.)
 IT **Polysiloxanes**, uses
 RL: MOA (Modifier or additive use); TEM (Technical or engineered material
 use); USES (Uses)
 (macro-emulsion; stabilization of **fabric softening**
 compns.)
 IT Emulsifying agents
 Fabric softeners
 Stabilizing agents
 (stabilization of **fabric softening** compns.)
 IT 31692-79-2, Dimethylsilanediol homopolymer, hydroxy-terminated sru
 31900-57-9, Dimethylsilanediol homopolymer
 RL: MOA (Modifier or additive use); TEM (Technical or engineered material
 use); USES (Uses)
 (stabilization of **fabric softening** compns.)
 IT 112-02-7, Cetyltrimethylammonium chloride 9002-92-0,
 Polyethylene glycol lauryl ether 65060-02-8,
 Cetyltrimethylammonium methosulfate
 RL: TEM (Technical or engineered material use); USES (Uses)
 (stabilization of **fabric softening** compns.)

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD

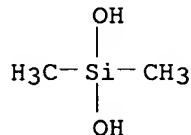
RE
 (1) Dow Corning; EP 0356210 A 1990 HCPLUS
 (2) Dow Corning; EP 0661398 A 1995 HCPLUS
 (3) Procter & Gamble; WO 9119037 A 1991 HCPLUS
 (4) Procter & Gamble; WO 9731998 A 1997 HCPLUS
 (5) Toray Silicone Co; EP 0285391 A 1988 HCPLUS
 (6) Unilever Plc; EP 0544493 A 1993 HCPLUS
 (7) Unilever Plc; EP 0789070 A 1997 HCPLUS
 (8) Whitehill Oral Tech Inc; WO 9511746 A 1995 HCPLUS
 IT 31692-79-2, Dimethylsilanediol homopolymer, hydroxy-terminated sru
 31900-57-9, Dimethylsilanediol homopolymer
 RL: MOA (Modifier or additive use); TEM (Technical or engineered material
 use); USES (Uses)
 (stabilization of **fabric softening** compns.)
 RN 31692-79-2 HCPLUS
 CN Poly[oxy(dimethylsilylene)], .alpha.-hydro-.omega.-hydroxy- (8CI, 9CI)
 (CA INDEX NAME)



RN 31900-57-9 HCPLUS
 CN Silanediol, dimethyl-, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 1066-42-8
 CMF C2 H8 O2 Si



L20 ANSWER 21 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN
 AN 2000:666851 HCAPLUS
 DN 133:254248
 TI Perfumed liquid household **compositions** for fabric cleaning and deodorizing packaged in **polyethylene** bottles modified to preserve perfume integrity
 IN Woo, Ricky Ah-man; Reece, Steven; Streutker, Alen David; Ireton, Kimberly Ann; Fritz, Mark David; Schneiderman, Eva
 PA The Procter & Gamble Company, USA
 SO PCT Int. Appl., 24 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 IC ICM C11D003-50
 ICS C11D017-04
 CC 46-6 (Surface Active Agents and **Detergents**)
 Section cross-reference(s): 38
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000055292	A1	20000921	WO 2000-US7137	20000317
	W: AE, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, EE, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	EP 1161517	A1	20011212	EP 2000-916483	20000317
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	TW 418094	B	20010111	TW 2000-89105006	20000413
	ZA 2001007410	A	20020312	ZA 2001-7410	20010907
PRAI	US 1999-125043P	P	19990318		
	WO 2000-US7137	W	20000317		
AB	Bottled cleaning and deodorizing compns. comprise surfactant and a perfume which contains a substantial proportion of hydrophobic perfume ingredients having a calcd. hydrophobicity parameter logP (ClogP) >3. The bottles are made of high-d. polyethylene (HDPE) and have a continuous inner surface layer of nylon, poly(ethene terephthalate) or fluorinated polyethylene in order to prevent migration into and/or transmission through the HDPE of the hydrophobic perfume ingredients.				
ST	fabric cleaning liq compn perfume preservation				

polyethylene bottle; HDPE bottle fabric liq cleaning deodorizing
compn perfume preservation; perfume hydrophobic migration
prevention HDPE bottle PET liner; **polyethylene** fluorinated liner
HDPE bottle hydrophobic perfume migration prevention

IT Perfumes
(hydrophobic; liq. fabric cleaning and deodorizing compns. packaged in
HDPE bottles with inner liner for preventing diffusion of)

IT Detergents
(laundry, liq.; liq. fabric cleaning and deodorizing compns. packaged
in HDPE bottles with inner liner for preventing diffusion of
hydrophobic perfumes)

IT Polyesters, uses
RL: NUU (Other use, unclassified); USES (Uses)
(liq. fabric cleaning and deodorizing compns. packaged in HDPE bottles
with inner PET liner for preventing diffusion of hydrophobic perfumes)

IT Bottles
Deodorants
Detergents
Surfactants
(liq. fabric cleaning and deodorizing compns. packaged in HDPE bottles
with inner liner for preventing diffusion of hydrophobic perfumes)

IT Polyamides, uses
RL: NUU (Other use, unclassified); USES (Uses)
(liq. fabric cleaning and deodorizing compns. packaged in HDPE bottles
with inner polyamide liner for preventing diffusion of hydrophobic
perfumes)

IT **Fabric softeners**
(liq.; liq. **fabric** cleaning and deodorizing compns. packaged
in HDPE bottles with inner liner for preventing diffusion of
hydrophobic perfumes)

IT **Polysiloxanes**, uses
Polysiloxanes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(polyoxyalkylene-, surfactants, Silwet 7600; liq. fabric cleaning and
deodorizing compns. packaged in HDPE bottles with inner liner for
preventing diffusion of hydrophobic perfumes)

IT Polyoxyalkylenes, uses
Polyoxyalkylenes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(polysiloxane-, surfactants, Silwet 7600; liq. fabric cleaning and
deodorizing compns. packaged in HDPE bottles with inner liner for
preventing diffusion of hydrophobic perfumes)

IT 9002-88-4, **Polyethylene**
RL: TEM (Technical or engineered material use); USES (Uses)
(high-d., bottle; liq. fabric cleaning and deodorizing compns. packaged
in HDPE bottles modified to preserve hydrophobic perfume integrity)

IT 7585-39-9D, .beta.-Cyclodextrin, hydroxypropyl derivs.
RL: TEM (Technical or engineered material use); USES (Uses)
(liq. fabric cleaning and deodorizing compns. packaged in HDPE bottles
modified to preserve hydrophobic perfume compatible with)

IT 25038-59-9, PET polyester, uses
RL: NUU (Other use, unclassified); USES (Uses)
(liq. fabric cleaning and deodorizing compns. packaged in HDPE bottles
with inner PET liner for preventing diffusion of hydrophobic perfumes)

IT 9002-88-4D, **Polyethylene**, fluorinated
RL: NUU (Other use, unclassified); USES (Uses)
(liq. fabric cleaning and deodorizing compns. packaged in HDPE bottles
with inner fluorinated **polyethylene** liner for preventing

diffusion of hydrophobic perfumes)

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE

- (1) Air Prod & Chem; EP 0300385 A 1989 HCPLUS
- (2) Chen, L; US 4919834 A 1990 HCPLUS
- (3) Eschwey, M; US 4869859 A 1989
- (4) Procter & Gamble; WO 9856337 A 1998 HCPLUS
- (5) Procter & Gamble; WO 9604940 A 1996 HCPLUS
- (6) Toppan Printing Co; JP 53021675 A 1978
- (7) Yoshino Kogyosho Co Ltd; EP 0641719 A 1995

L20 ANSWER 22 OF 38 HCPLUS COPYRIGHT 2003 ACS on STN
AN 2000:441999 HCPLUS

DN 133:75294

TI Compositions for treating **textiles** for decreasing
damage during high-speed sewing

IN Meier, Helmut-Martin; Kummeler, Ferdinand; Kierspe, Detlev; Dijks,
Jacob-Cornelis

PA Bayer Aktiengesellschaft, Germany

SO PCT Int. Appl., 55 pp.

CODEN: PIXXD2

DT Patent

LA German

IC ICM D06M013-148

ICS D06M013-17; D06M013-224; D06M013-372; D06M013-368; D06M013-463;
D06M015-643; D06M015-227; D06M015-647

CC 40-9 (**Textiles and Fibers**)

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI WO 2000037735	A1	20000629	WO 1999-EP9771	19991210
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
DE 19859294	A1	20000629	DE 1998-19859294	19981222
CA 2355370	AA	20000629	CA 1999-2355370	19991210
BR 9916435	A	20010904	BR 1999-16435	19991210
EP 1144749	A1	20011017	EP 1999-964541	19991210
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002533581	T2	20021008	JP 2000-589780	19991210

PRAI DE 1998-19859294 A 19981222
WO 1999-EP9771 W 19991210

OS MARPAT 133:75294

AB Compns. for the title use contain (a) 0-30% polyols prep'd. by reaction of HCNO with ketones having .gtoreq.4 H's adjacent to the CO group in the presence of an alkali catalyst, (b) 0-30% polyols different than (a), (c) 0.1-10% adducts of C12-22 fatty acids, C8-18 fatty alcs., C12-36 alkylamines, di-C12-36-alkylamines, or C9-24-alkylphenols with 2-100 mol ethylene oxide, (d) 70-99.9% aq. compns. contg. 10-90% **softener**, with the (a) + (b) .gtoreq. 0.1% (based on total). The **softeners** contain various combinations of reaction products of C12-22 carboxylic

acids with C2-6 alkanolamines having 1 or 2 N and 1-3 OH groups, R1R2R3R4N 1/t(Xt-) [R1 = C14-25 alkyl, C14-25 alkenyl contg. amide and(or) ester bridges; R2 = C1-4 alkyl or R1; R3, R4 = C1-4 alkyl, hydroxyethyl, hydroxypropyl, or benzyl; Xt- = t-valent anion, t = 1-3], fatty ester from C12-22 fatty acids or C4-10 diacids and 1-4-valent C3-20 alcs., adducts of C12-22 fatty acids, C8-18 fatty alcs., C12-36 alkylamines, di-C12-36-alkylamines, or C9-24-alkylphenols with 2-100 mol ethylene oxide, diorganopolysiloxanes with viscosity 1000-100,000 mm²/s, oxidized **polyethylene** wax emulsion, cationic emulsifier prep'd. by reaction of 2-20 mol ethylene oxide and(or) propylene oxide with C10-22 alkylamines, polyether-polysiloxanes, org. phosphoric acid salts, perfumes, amphoteric surfactants, C1-18 alcs., reaction products of C18-22 carboxylic acids with diethylenetriamine, triethylenetetramine, dimethylaminopropylamine, paraffin wax, vegetable oil (esp. rape oil), stearoylsarcoside, sulfonated beef tallow, and sulfonated paraffin wax or their alkali or alk.-earth salts.

ST polyol treatment **textile** high speed sewing damage prevention; alkanesulfonate treatment **textile** high speed sewing damage prevention; sulfonated tallow treatment **textile** high speed sewing damage prevention; stearoylsarcoside treatment **textile** high speed sewing damage prevention; rape oil treatment **textile** high speed sewing damage prevention; paraffin wax treatment **textile** high speed sewing damage prevention; polyamine polyamide treatment **textile** high speed sewing damage prevention; phosphate salt treatment **textile** high speed sewing damage prevention; polyether polysiloxane treatment **textile** high speed sewing damage prevention; polyoxyalkylene alkylamine treatment **textile** high speed sewing damage prevention; oxidized **polyethylene** treatment **textile** high speed sewing damage prevention; polysiloxane treatment **textile** high speed sewing damage prevention; fatty ester treatment **textile** high speed sewing damage prevention; quaternary ammonium treatment **textile** high speed sewing damage prevention; alkanolamine acylated treatment **textile** high speed sewing damage prevention; polyoxyethylene ether treatment **textile** high speed sewing damage prevention

IT Alcohols, uses

RL: TEM (Technical or engineered material use); USES (Uses)
(C1-18; compns. for treating **textiles** for decreasing damage during high-speed sewing)

IT Alcohols, uses

RL: TEM (Technical or engineered material use); USES (Uses)
(C12-13, ethoxylated; compns. for treating **textiles** for decreasing damage during high-speed sewing)

IT Fatty acids, uses

RL: TEM (Technical or engineered material use); USES (Uses)
(C20-22, reaction products with triethylenetetramine and HDI; compns. for treating **textiles** for decreasing damage during high-speed sewing)

IT Sulfonic acids, uses

RL: TEM (Technical or engineered material use); USES (Uses)
(alkanesulfonic, C8-18; compns. for treating **textiles** for decreasing damage during high-speed sewing)

IT Polysiloxanes, uses

RL: TEM (Technical or engineered material use); USES (Uses)
(amino, N-formylated; compns. for treating **textiles** for decreasing damage during high-speed sewing)

IT Amine oxides

RL: TEM (Technical or engineered material use); USES (Uses)

(coco, N,N-di-Me; compns. for treating **textiles** for decreasing damage during high-speed sewing)

IT **Fabric softeners**
(compns. for treating **textiles** for decreasing damage during high-speed sewing)

IT **Carbohydrates, uses**
Polysiloxanes, uses
Quaternary ammonium compounds, uses
Rape oil
RL: TEM (Technical or engineered material use); USES (Uses)
(compns. for treating **textiles** for decreasing damage during high-speed sewing)

IT **Textiles**
(cotton; compns. for treating **textiles** for decreasing damage during high-speed sewing)

IT **Fatty acids, uses**
RL: TEM (Technical or engineered material use); USES (Uses)
(esters; compns. for treating **textiles** for decreasing damage during high-speed sewing)

IT **Amines, uses**
RL: TEM (Technical or engineered material use); USES (Uses)
(ethoxylated, tallow; compns. for treating **textiles** for decreasing damage during high-speed sewing)

IT **Paraffin waxes, uses**
RL: TEM (Technical or engineered material use); USES (Uses)
(hard; compns. for treating **textiles** for decreasing damage during high-speed sewing)

IT **Phosphates, uses**
RL: TEM (Technical or engineered material use); USES (Uses)
(org.; compns. for treating **textiles** for decreasing damage during high-speed sewing)

IT **Polysiloxanes, uses**
Polysiloxanes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(polyether-; compns. for treating **textiles** for decreasing damage during high-speed sewing)

IT **Alcohols, uses**
RL: TEM (Technical or engineered material use); USES (Uses)
(polyhydric; compns. for treating **textiles** for decreasing damage during high-speed sewing)

IT **Polyoxyalkylenes, uses**
RL: TEM (Technical or engineered material use); USES (Uses)
(reaction products with tallow amines; compns. for treating **textiles** for decreasing damage during high-speed sewing)

IT **Polyethers, uses**
Polyethers, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(siloxane-; compns. for treating **textiles** for decreasing damage during high-speed sewing)

IT 50-00-0D, Formaldehyde, reaction products with amino siloxanes, uses
50-99-7, Glucose, uses 56-81-5, 1,2,3-Propanetriol, uses 57-11-4D,
Stearic acid, reaction products with behenic acid, aminoethylethanolamine,
(dimethylamino)aminopropane, and di-Me sulfate 64-19-7D, Acetic acid,
reaction products with stearic acid and triethylenetetramine, uses
77-78-1D, Dimethyl sulfate, reaction products with stearic acid, behenic
acid, (dimethylamino)aminopropane, and (aminoethyl)ethanolamine 77-99-6,
Trimethylolpropane 78-83-1, Isobutanol, uses 102-71-6, uses
107-21-1, 1,2-Ethanediol, uses 109-55-7D, 1-(Dimethylamino)-3-

aminopropane, reaction products with stearic acid, behenic acid, (aminoethyl)ethanolamine, and di-Me sulfate 111-41-1D, reaction products with stearic acid, behenic acid, (dimethylamino)aminopropane, and di-Me sulfate 111-42-2D, Diethanolamine, reaction products with stearic acid 111-46-6, uses 112-24-3D, Triethylenetetramine, reaction products with stearic acid and acetic acid 112-27-6 112-85-6D, Behenic acid, reaction products with stearic acid, aminoethylmethanolamine, (dimethylamino)aminopropane, and di-Me sulfate 115-77-5, uses 126-30-7 126-58-9, Dipentaerythritol 142-48-3, N-Stearoylsarcosine 822-06-0D, HDI, reaction products with C20-22 fatty acid and triethylenetetramine 4318-03-0, Dibutyl phosphate diethanolamine salt 4744-47-2 9002-92-0, Polyethylene glycol dodecyl ether 9004-96-0, Polyethylene glycol oleate 9004-98-2, Polyethylene glycol oleyl ether 9004-99-3, Polyethylene glycol stearate 9005-00-9, Polyethylene glycol stearyl ether 9016-00-6, Dimethylsilanediol homopolymer, sru 25037-57-4, Poly(octamethylcyclotetrasiloxane) 25322-68-3D, Polyethylene glycol, reaction products with tallow amines 25618-55-7, Polyglycerol 31900-57-9, Dimethylsilanediol homopolymer 50858-36-1, Pentadecanesulfonic acid 59113-36-9, Diglycerol 91761-84-1 278615-52-4 278615-53-5 278615-54-6 278615-55-7 278615-56-8 278615-57-9 278792-60-2, Rilanit STS-T 278792-61-3, Vestowax V 4124

RL: TEM (Technical or engineered material use); USES (Uses)
(compns. for treating **textiles** for decreasing damage during high-speed sewing)

IT 9002-88-4D, Polyethylene, oxidized

RL: TEM (Technical or engineered material use); USES (Uses)
(wax; compns. for treating **textiles** for decreasing damage during high-speed sewing)

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD

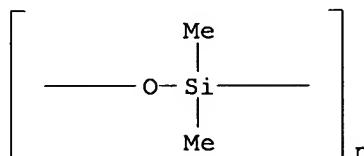
RE

- (1) Anon; PATENT ABSTRACTS OF JAPAN 1997, V1997(11)
- (2) Bayer Ag; EP 0075770 A 1983 HCAPLUS
- (3) Beghin Say Sa; FR 2603623 A 1988 HCAPLUS
- (4) Behler, A; WO 9905246 A 1999 HCAPLUS
- (5) Ciba Geigy Ag; EP 0696661 A 1996 HCAPLUS
- (6) Hardt, P; MELLAND TEXTILBERICHTE, INTERNATIONAL TEXTILE REPORTS 1990, V71(9), P699
- (7) Hoechst Ag; EP 0691396 A 1996 HCAPLUS
- (8) Kao Corp; JP 09195167 A 1997 HCAPLUS
- (9) Sandoz Ltd; EP 0641833 A 1995 HCAPLUS

IT 9016-00-6, Dimethylsilanediol homopolymer, sru 31900-57-9
, Dimethylsilanediol homopolymer
RL: TEM (Technical or engineered material use); USES (Uses)
(compns. for treating **textiles** for decreasing damage during high-speed sewing)

RN 9016-00-6 HCAPLUS

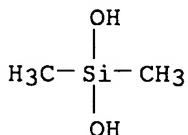
CN Poly[oxy(dimethylsilylene)] (8CI, 9CI) (CA INDEX NAME)



RN 31900-57-9 HCAPLUS
 CN Silanediol, dimethyl-, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 1066-42-8
 CMF C2 H8 O2 Si



L20 ANSWER 23 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN
 AN 2000:393776 HCAPLUS

DN 133:6188

TI Detergent, softener **composition** for textiles

IN Stavarache, Romeo

PA S.C. Prod Cresus S.A., Bacau, Rom.

SO Rom., 3 pp.

CODEN: RUXXA3

DT Patent

LA Romanian

IC ICM D06M015-263

ICS C11D001-66

CC 46-5 (Surface Active Agents and **Detergents**)

Section cross-reference(s): 40

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	RO 109354	B1	19950130	RO 1994-956	19940606
PRAI	RO 1994-956		19940606		

AB The detergent for textiles comprises 5-10% emollients selected from ester amide of triethylenetetramine acetate, **polyethylene** glycol monoester, quaternized diethanolamine diester; 4-70% anionic surfactants and nonionic surfactants, soap, and balance, water. The ratio of sulfonate and/or sulfate surfactant to soap is 10:1-1.5, preferably 7:1-1.2. The content of nonionic surfactants is less than 70%, preferably 40% and the **compn.** contains builders, brightening agents, foam stabilizers and antifoaming agents, antiredeposition agents, and antisoiling agents. Thus, 20 kg linear sodium alkylbenzenesulfonate (sulfonated C12-18 fatty alcs.), 15 kg. ethoxylated nonylphenol (8-10 mol EO), 4 kg soap (animal-derived fatty acids), 2 kg silicone antifoaming agent, 10 kg tripolyphosphate, 5 kg CM-cellulose, 1 kg whitening agent, and 7 kg benzylidethanolamine-stearate adduct were mixed to obtain a yellowish paste contg. about 30% solids and having soln. pH of 6-7.5. The paste was used in laundering of textiles, e.g. cotton, rayon, polyester, acrylic, using 3 g/L and bath temp. of 40.degree. for 20 min. The laundered **fabrics** had **softer** feel than those of a control.

ST laundry detergent softening **compn** surfactant soap; emollient esteramide ethanolamine laundry detergent surfactant; sulfonated surfactant fatty acid soap laundry detergent; ethoxylated fatty alc soap laundry detergent

IT Fatty acids, uses
RL: NUU (Other use, unclassified); USES (Uses)
(C12-18, soaps; laundry detergent and softener **compn.** based
on surfactants and soap for cellulosic fiber and synthetic fiber
textiles)

IT Brightening
(agents; laundry detergent and softener **compn.** based on
surfactants and soap for cellulosic fiber and synthetic fiber textiles)

IT Surfactants
(anionic; laundry detergent and softener **compn.** based on
surfactants and soap for cellulosic fiber and synthetic fiber textiles)

IT **Polysiloxanes**, uses
RL: NUU (Other use, unclassified); USES (Uses)
(antifoaming agents; laundry detergent and softener **compn.**
based on surfactants and soap for cellulosic fiber and synthetic fiber
textiles)

IT Textiles
(cotton; laundry detergent and softener **compn.** based on
surfactants and soap for cellulosic fiber and synthetic fiber textiles)

IT Acrylic fibers, processes
Polyester fibers, processes
RL: PEP (Physical, engineering or chemical process); PROC (Process)
(fabrics; laundry detergent and **softener**
compn. based on surfactants and soap for cellulosic fiber and
synthetic fiber textiles)

IT Alcohols, uses
RL: NUU (Other use, unclassified); USES (Uses)
(fatty, ethoxylated; laundry detergent and softener **compn.**
based on surfactants and soap for cellulosic fiber and synthetic fiber
textiles)

IT Alcohols, uses
RL: NUU (Other use, unclassified); USES (Uses)
(fatty, sulfonated; laundry detergent and softener **compn.**
based on surfactants and soap for cellulosic fiber and synthetic fiber
textiles)

IT Antifoaming agents
Fabric softeners
Laundering
Whitening agents
(laundry detergent and softener **compn.** based on surfactants
and soap for cellulosic fiber and synthetic fiber textiles)

IT Polyoxyalkylenes, uses
Soaps
RL: NUU (Other use, unclassified); USES (Uses)
(laundry detergent and softener **compn.** based on surfactants
and soap for cellulosic fiber and synthetic fiber textiles)

IT Rayon, processes
RL: PEP (Physical, engineering or chemical process); PROC (Process)
(laundry detergent and softener **compn.** based on surfactants
and soap for cellulosic fiber and synthetic fiber textiles)

IT Detergents
(laundry; laundry detergent and softener **compn.** based on
surfactants and soap for cellulosic fiber and synthetic fiber textiles)

IT Surfactants
(nonionic; laundry detergent and softener **compn.** based on
surfactants and soap for cellulosic fiber and synthetic fiber textiles)

IT 57-11-4, Stearic acid, uses
RL: NUU (Other use, unclassified); USES (Uses)

(benzyldiethanolamine adducts; laundry detergent and softener **compn.** based on surfactants and soap for cellulosic fiber and synthetic fiber textiles)

IT 64-02-8, Sodium ethylenediaminetetraacetate 98-11-3D, Benzenesulfonic acid, alkyl derivs., sodium salts, uses 7758-29-4, Sodium tripolyphosphate 9004-32-4, Carboxymethylcellulose 25322-68-3 27986-36-3, Ethylene glycol nonylphenyl ether
 RL: NUU (Other use, unclassified); USES (Uses)
 (laundry detergent and softener **compn.** based on surfactants and soap for cellulosic fiber and synthetic fiber textiles)

IT 101-32-6, Benzyldiethanolamine
 RL: NUU (Other use, unclassified); USES (Uses)
 (stearate adducts; laundry detergent and softener **compn.** based on surfactants and soap for cellulosic fiber and synthetic fiber textiles)

L20 ANSWER 24 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN
 AN 2000:301101 HCAPLUS
 DN 132:309679
 TI Fiber product treatment agent **compositions**
 IN Yoshida, Yasushi; Ogura, Nobuyuki
 PA Kao Corp., Japan
 SO Jpn. Kokai Tokkyo Koho, 6 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 IC ICM D06M015-643
 ICS D06M013-46; D06M015-53
 CC 40-9 (**Textiles and Fibers**)
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 2000129578	A2	20000509	JP 1998-299525	19981021
PRAI JP 1998-299525		19981021		
OS MARPAT 132:309679				

AB Treatment agents contain 0.1-20% water-sol. polymers selected from sapond. poly(vinyl acetate) having mol. wt. 5000-5x105 and derivs. thereof, polystyrenesulfonic acid salts having mol. wt. 1000-6x106 and copolymers of styrenesulfonic acid salts with vinyl compds., and poly(N-vinyl-2-pyrrolidone) having mol. wt. 1000-6x106 or copolymers with vinyl compds., 0.1-20% **softeners** selected from quaternary ammonium compds., tertiary amine salts with (in)org. acids, and silicones, and 0.1-5% **polyethylene** glycol alkyl ethers. Thus, a treatment agent contained PVA 105 10, SM 8705 2, **polyethylene** glycol lauryl ether 2, propylene glycol 2%, and H2O.

ST fiber finishing agent polyvinyl alc polyvinylpyrrolidone silicone; **softener** fiber quaternary ammonium compd; tertiary amine salt quaternary ammonium compd; nonionic surfactant fiber treatment agent

IT **Fabric** finishing
 (agents; fiber treatment agents contg. water-sol. polymers and **softeners** and nonionic surfactants)

IT **Fabric softeners**
 (fiber treatment agents contg. water-sol. polymers and **softeners** and nonionic surfactants)

IT Acids, uses
 RL: MOA (Modifier or additive use); USES (Uses)
 (inorg., tertiary amine salts, **softeners**; fiber treatment agents contg. water-sol. polymers and **softeners** and nonionic

surfactants)

IT Surfactants
(nonionic; fiber treatment agents contg. water-sol. polymers and
softeners and nonionic surfactants)

IT Acids, uses
RL: MOA (Modifier or additive use); USES (Uses)
(org., tertiary amine salts, **softeners**; fiber treatment
agents contg. water-sol. polymers and **softeners** and nonionic
surfactants)

IT Clothing
(shirts, cotton; fiber treatment agents contg. water-sol. polymers and
softeners and nonionic surfactants)

IT Cotton
(shirts; fiber treatment agents contg. water-sol. polymers and
softeners and nonionic surfactants)

IT Quaternary ammonium compounds, uses
RL: MOA (Modifier or additive use); USES (Uses)
(**softeners**; fiber treatment agents contg. water-sol. polymers
and **softeners** and nonionic surfactants)

IT Amines, uses
RL: MOA (Modifier or additive use); USES (Uses)
(tertiary, salts, **softeners**; fiber treatment agents contg.
water-sol. polymers and **softeners** and nonionic surfactants)

IT Polymers, uses
RL: POF (Polymer in formulation); TEM (Technical or engineered material
use); USES (Uses)
(water-sol.; fiber treatment agents contg. water-sol. polymers and
softeners and nonionic surfactants)

IT 9002-89-5, PVA 105
RL: POF (Polymer in formulation); TEM (Technical or engineered material
use); USES (Uses)
(PVA 105; fiber treatment agents contg. water-sol. polymers and
softeners and nonionic surfactants)

IT 9080-79-9, Sodium polystyrenesulfonate
RL: POF (Polymer in formulation); TEM (Technical or engineered material
use); USES (Uses)
(Polity PS; fiber treatment agents contg. water-sol. polymers and
softeners and nonionic surfactants)

IT 9003-39-8, Poly(N-vinyl-2-pyrrolidone)
RL: POF (Polymer in formulation); TEM (Technical or engineered material
use); USES (Uses)
(fiber treatment agents contg. water-sol. polymers and
softeners and nonionic surfactants)

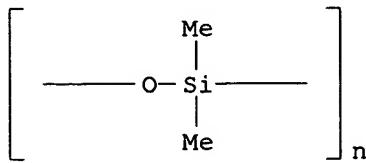
IT 9002-92-0, Polyethylene glycol lauryl ether
RL: TEM (Technical or engineered material use); USES (Uses)
(fiber treatment agents contg. water-sol. polymers and
softeners and nonionic surfactants)

IT 9016-00-6, SM 8705
RL: MOA (Modifier or additive use); USES (Uses)
(**softeners**; fiber treatment agents contg. water-sol. polymers
and **softeners** and nonionic surfactants)

IT 9016-00-6, SM 8705
RL: MOA (Modifier or additive use); USES (Uses)
(**softeners**; fiber treatment agents contg. water-sol. polymers
and **softeners** and nonionic surfactants)

RN 9016-00-6 HCAPLUS

CN Poly[oxy(dimethylsilylene)] (8CI, 9CI) (CA INDEX NAME)



L20 ANSWER 25 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 2000:291193 HCAPLUS

DN 132:310036

TI Wrinkle reduction laundry product **compositions**

IN Murphy, Dennis Stephen; Fox, Daniel Joseph

PA Unilever Plc, UK; Unilever Nv; Hindustan Lever Limited

SO PCT Int. Appl., 24 pp.

CODEN: PIXXD2

DT Patent

LA English

IC ICM C11D003-37

ICS C11D001-12; C11D001-82

CC 46-5 (Surface Active Agents and **Detergents**)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000024857	A2	20000504	WO 1999-EP8319	19991021
	WO 2000024857	A3	20000803		
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	US 6403548	B1	20020611	US 1999-293754	19990416
	US 2001056059	A1	20011227	US 1999-393831	19990910
	US 6426328	B2	20020730		
	BR 9914836	A	20010710	BR 1999-14836	19991021
	EP 1124926	A2	20010822	EP 1999-971024	19991021
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	US 6500793	B2	20021231	US 2002-131110	20020424
	US 2002193276	A1	20021219	US 2002-146732	20020516
	US 2003092588	A1	20030515	US 2002-287183	20021104
PRAI	US 1998-105865P	P	19981027		
	US 1999-293754	A	19990416		
	US 1999-393831	A	19990910		
	WO 1999-EP8319	W	19991021		
	US 2002-131110	A1	20020424		
AB	A liq. fabric softening formulation comprises .gtoreq.1 wrinkle-reducing agent selected from polyalkylene oxide-modified polydimethylsiloxane, linear aminopolydimethylsiloxane polyalkylene oxide copolymers, sulfated/sulfonated vegetable oils, high-mol.-wt. polyacrylamides, betaine siloxane copolymers, and alkylactam siloxane copolymers. The benefits are delivered to the laundered item during the				

cleaning step and, therefore, reduces the need for further wrinkle reducing steps when the items are taken from the dryer or after hang drying.

ST clothing **softener** wrinkle reducing agent; laundry **fabric softener** wrinkle reducing agent; polyoxyalkylene polysiloxane wrinkle reducing agent

IT Creaseproofing
(agents; **fabric softeners** contg. wrinkle-reducing agents)

IT **Polysiloxanes**, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(betaine; **fabric softeners** contg. wrinkle-reducing agents)

IT **Polysiloxanes**, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(di-Me, 3-hydroxypropyl Me, ethers, with **polyethylene glycol** mono-Me ether, Silwet L 7622; **fabric softeners** contg. wrinkle-reducing agents)

IT **Polysiloxanes**, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(ethoxylated; **fabric softeners** contg. wrinkle-reducing agents)

IT **Fabric softeners**
(**fabric softeners** contg. wrinkle-reducing agents)

IT **Detergents**
(laundry; laundry **fabric softeners** contg. wrinkle-reducing agents)

IT **Polysiloxanes**, uses
Polysiloxanes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(polyoxyalkylene-, aminoalkyl-terminated; **fabric softeners** contg. wrinkle-reducing agents)

IT Polyoxyalkylenes, uses
Polyoxyalkylenes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(polysiloxane-, aminoalkyl-terminated; **fabric softeners** contg. wrinkle-reducing agents)

IT Canola oil
RL: TEM (Technical or engineered material use); USES (Uses)
(sulfated, Freedom Scano 75; **fabric softeners** contg. wrinkle-reducing agents)

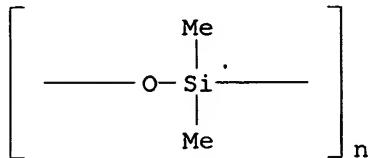
IT Castor oil
RL: TEM (Technical or engineered material use); USES (Uses)
(sulfated; **fabric softeners** contg. wrinkle-reducing agents)

IT Fats and Glyceridic oils, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(vegetable, sulfated; **fabric softeners** contg. wrinkle-reducing agents)

IT Fats and Glyceridic oils, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(vegetable, sulfonated; **fabric softeners** contg. wrinkle-reducing agents)

IT 9003-05-8, Polyacrylamide 9016-00-6D, Polydimethylsiloxane, polyoxyalkylene-modified 31900-57-9D, Polydimethylsiloxane, polyoxyalkylene-modified
RL: TEM (Technical or engineered material use); USES (Uses)
(**fabric softeners** contg. wrinkle-reducing agents)

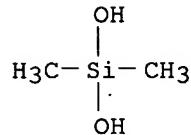
IT 9016-00-6D, Polydimethylsiloxane, polyoxyalkylene-modified
 31900-57-9D, Polydimethylsiloxane, polyoxyalkylene-modified
 RL: TEM (Technical or engineered material use); USES (Uses)
 (fabric softeners contg. wrinkle-reducing agents)
 RN 9016-00-6 HCAPLUS
 CN Poly[oxy(dimethylsilylene)] (8CI, 9CI) (CA INDEX NAME)



RN 31900-57-9 HCAPLUS
 CN Silanediol, dimethyl-, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 1066-42-8
 CMF C2 H8 O2 Si



L20 ANSWER 26 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN
 AN 2000:250021 HCAPLUS
 DN 132:280924
 TI Liquid finishing agent **compositions** for fiber products
 IN Nikame, Shuichi; Yokoyama, Jun; Fukumoto, Yoshikatsu; Hashiyama, Emiko
 PA Lion Corp., Japan
 SO Jpn. Kokai Tokkyo Koho, 8 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 IC ICM D06M015-647
 ICS D06M013-325; D06M013-463
 CC 46-5 (Surface Active Agents and Detergents)
 Section cross-reference(s): 40
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2000110075	A2	20000418	JP 1998-283138	19981005
PRAI	JP 1998-283138		19981005		
AB	Finishing agents contain polyoxyalkylene-polysiloxanes (10-50% polyoxyethylene) and C6-26 amines and neutralized compds., quaternary ammonium compds., and mixts. thereof. Thus, a finishing agent contained a polyoxyethylene silicone 2.0, di(C18-hydrocarbyl)methylamine Me chloride salt 7.5, dimethyl(C18-linear hydrocarbyl)amine Me chloride salt 0.4, di(C18-hydrocarbyl)methylamine hydrochloride 0.1%.				

ST fiber softener polyether silicone; amine polyether silicone
fiber softener

IT Polyoxyalkylenes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(-silicones; liq. finishing agent compns. contg. polyoxyalkylene
silicones and amine compds. for fibers)

IT Alkylation
Creaseproofing
(agents; liq. finishing agent compns. contg. polyoxyalkylene silicones
and amine compds. for fibers)

IT Textiles
(cotton; liq. finishing agent compns. contg. polyoxyalkylene silicones
and amine compds. for fibers)

IT Fabric softeners
Quaternization
(liq. finishing agent compns. contg. polyoxyalkylene silicones and
amine compds. for fibers)

IT Amines, uses
Quaternary ammonium compounds, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(liq. finishing agent compns. contg. polyoxyalkylene silicones and
amine compds. for fibers)

IT Salts, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(org.; liq. finishing agent compns. contg. polyoxyalkylene silicones
and amine compds. for fibers)

IT Polysiloxanes, uses
Polysiloxanes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(polyoxyalkylene-; liq. finishing agent compns. contg. polyoxyalkylene
silicones and amine compds. for fibers)

IT Polyoxyalkylenes, uses
Polyoxyalkylenes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(polysiloxane-; liq. finishing agent compns. contg. polyoxyalkylene
silicones and amine compds. for fibers)

IT Amines, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(salts; liq. finishing agent compns. contg. polyoxyalkylene silicones
and amine compds. for fibers)

IT 9003-11-6D, -silicones 25322-68-3D, Polyethylene glycol,
-silicones 158947-24-1D, trimethylsilyl-terminated,
polyether-derivs.
RL: TEM (Technical or engineered material use); USES (Uses)
(liq. finishing agent compns. contg. polyoxyalkylene silicones and
amine compds. for fibers)

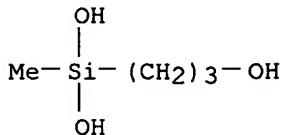
IT 158947-24-1D, trimethylsilyl-terminated, polyether-derivs.
RL: TEM (Technical or engineered material use); USES (Uses)
(liq. finishing agent compns. contg. polyoxyalkylene silicones and
amine compds. for fibers)

RN 158947-24-1 HCAPLUS

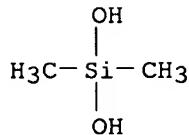
CN Silanediol, (3-hydroxypropyl)methyl-, polymer with dimethylsilanediol
(9CI) (CA INDEX NAME)

CM 1

CRN 18165-96-3
CMF C4 H12 O3 Si



CM 2

CRN 1066-42-8
CMF C2 H8 O2 Si

L20 ANSWER 27 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN
 AN 2000:247542 HCAPLUS
 DN 132:280922
 TI Liquid finishing agent **compositions** for fiber products
 IN Nihei, Shuichi; Yokoyama, Jun; Fukumoto, Yoshikatsu; Hashiyama, Emiko
 PA Lion Corp., Japan
 SO Jpn. Kokai Tokkyo Koho, 8 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 IC ICM D06M015-647
 ICS D06M013-325; D06M013-463; D06M015-53
 CC 46-5 (Surface Active Agents and **Detergents**)
 Section cross-reference(s): 40
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2000110076	A2	20000418	JP 1998-283139	19981005
PRAI	JP 1998-283139		19981005		

AB Finishing agents contain polyoxyalkylene-polysiloxanes (10-50% polyoxyethylene), C6-26 amines and neutralized compds., quaternary ammonium compds., and mixts. thereof, and nonionic surfactants such as alkylene oxide derivs. of alcs., amines, alkanol amides, fatty acids, and fatty esters. Thus, a finishing agent contained a polyoxyethylene silicone 2.0, di(C18-hydrocarbyl)methylamine Me chloride salt 7.5, dimethyl(C18-linear-hydrocarbyl)amine Me chloride salt 0.5, di(C18-hydrocarbyl)methylamine hydrochloride 0.1, and **polyethylene glycol isostridecyl ether 18**.
 ST fiber **softener** polyether silicone nonionic surfactant; amine polyether silicone fiber **softener**
 IT Polyoxyalkylenes, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (-silicones; liq. finishing agent compns. contg. polyoxyalkylene silicones and amine compds. and nonionic surfactants for fibers)

IT **Alkylation**
(agents; liq. finishing agent compns. contg. polyoxyalkylene silicones and amine compds. and nonionic surfactants for fibers)

IT **Fatty acids, uses**
RL: TEM (Technical or engineered material use); USES (Uses)
(alkoxylates; liq. finishing agent compns. contg. polyoxyalkylene silicones and amine compds. and nonionic surfactants for fibers)

IT **Alcohols, uses**
RL: TEM (Technical or engineered material use); USES (Uses)
(amino, alkoxylated; liq. finishing agent compns. contg. polyoxyalkylene silicones and amine compds. and nonionic surfactants for fibers)

IT **Textiles**
(cotton; liq. finishing agent compns. contg. polyoxyalkylene silicones and amine compds. and nonionic surfactants for fibers)

IT **Fatty acids, uses**
RL: TEM (Technical or engineered material use); USES (Uses)
(esters, alkoxylates; liq. finishing agent compns. contg. polyoxyalkylene silicones and amine compds. and nonionic surfactants for fibers)

IT **Alcohols, uses**
RL: TEM (Technical or engineered material use); USES (Uses)
(ethoxylated; liq. finishing agent compns. contg. polyoxyalkylene silicones and amine compds. and nonionic surfactants for fibers)

IT **Esters, uses**
RL: TEM (Technical or engineered material use); USES (Uses)
(fatty, alkoxylates; liq. finishing agent compns. contg. polyoxyalkylene silicones and amine compds. and nonionic surfactants for fibers)

IT **Fabric softeners**
Quaternization
(liq. finishing agent compns. contg. polyoxyalkylene silicones and amine compds. and nonionic surfactants for fibers)

IT **Amines, uses**
Quaternary ammonium compounds, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(liq. finishing agent compns. contg. polyoxyalkylene silicones and amine compds. and nonionic surfactants for fibers)

IT **Salts, uses**
RL: TEM (Technical or engineered material use); USES (Uses)
(org.; liq. finishing agent compns. contg. polyoxyalkylene silicones and amine compds. and nonionic surfactants for fibers)

IT **Polysiloxanes, uses**
Polysiloxanes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(polyoxyalkylene-; liq. finishing agent compns. contg. polyoxyalkylene silicones and amine compds. and nonionic surfactants for fibers)

IT **Polyoxyalkylenes, uses**
Polyoxyalkylenes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(polysiloxane-; liq. finishing agent compns. contg. polyoxyalkylene silicones and amine compds. and nonionic surfactants for fibers)

IT **Amines, uses**
RL: TEM (Technical or engineered material use); USES (Uses)
(salts; liq. finishing agent compns. contg. polyoxyalkylene silicones and amine compds. and nonionic surfactants for fibers)

IT **Alcohols, uses**
RL: TEM (Technical or engineered material use); USES (Uses)

(tallow, ethoxylated; liq. finishing agent compns. contg. polyoxyalkylene silicones and amine compds. and nonionic surfactants for fibers)

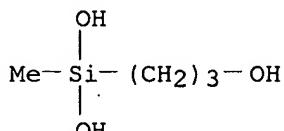
IT 75-21-8D, Ethylene oxide, reaction products with beef tallow alcs. 9003-11-6D, -silicones 9043-30-5, **Polyethylene glycol** isotridecyl ether 25322-68-3D, **Polyethylene glycol**, -silicones **158947-24-1D**, trimethylsilyl-terminated, polyether derivs.
RL: TEM (Technical or engineered material use); USES (Uses)
(liq. finishing agent compns. contg. polyoxyalkylene silicones and amine compds. and nonionic surfactants for fibers)

IT **158947-24-1D**, trimethylsilyl-terminated, polyether derivs.
RL: TEM (Technical or engineered material use); USES (Uses)
(liq. finishing agent compns. contg. polyoxyalkylene silicones and amine compds. and nonionic surfactants for fibers)

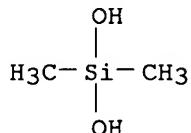
RN 158947-24-1 HCPLUS

CN Silanediol, (3-hydroxypropyl)methyl-, polymer with dimethylsilanediol (9CI) (CA INDEX NAME)

CM 1

CRN 18165-96-3
CMF C4 H12 O3 Si

CM 2

CRN 1066-42-8
CMF C2 H8 O2 Si

L20 ANSWER 28 OF 38 HCPLUS COPYRIGHT 2003 ACS on STN
 AN 2000:139615 HCPLUS
 DN 132:196142
 TI Liquid **fabric softener composition** with good storage stability
 IN Ushio, Noriaki; Shirato, Kazutaka; Tagata, Shuji; Ogura, Nobuyuki
 PA Kao Corp., Japan
 SO Jpn. Kokai Tokkyo Koho, 8 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 IC ICM D06M013-463

ICS D06M015-53; D06M015-643

CC 46-5 (Surface Active Agents and Detergents)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2000064179	A2	20000229	JP 1998-231591	19980818
PRAI	JP 1998-231591		19980818		
AB Title softening agent contains (A) quaternary ammonium compd. or (in)org. acid tertiary amine salt contg. .gtoreq.1 ester group 0.1-20, (B) silicone compd. represented by R1[SiO(R2)(X)]a[SiO(R2)2]bR1 [R2: C1-3 alkyl; X: side group contg. .gtoreq.1 amino or hydroxyl; R1: same as R2 or X; a: 1-1,000; b: 10-10,000; wt. av. mol. wt.: 5,000-2000,000] 0.01-5, and (C) poly(ethylene glycol) alkyl or alkenyl ethers (mol. wt. ratio between alkyl or alkenyl and av. ethyleneoxyl = 10-250, total av. mol. wt. = 1,000-40,000) 0.001-5 wt%. Thus, a softening agent contg. N-(2-hydroxyethyl)-N-methyl-1,3-propylenediamine-hardened beef tallow fatty acid reaction product 5, HCl 0.3, amino-modified silicone TSF-4705 1, Vissafe CT 0.05, polyethylene glycol lauryl ether 1 part, and other additives was stored at 40.degree./80% for 3 mo, showing sepn. vol. .ltoreq.0.5 mL and hydrolysis 5%.					
ST quaternary ammonium tertiary amine silicone polyoxyalkylene softener stability					
IT Polyoxalkylenes, uses RL: TEM (Technical or engineered material use); USES (Uses) (C12-14 ethers; prepn. of liq. softening agent compn. with good storage stability)					
IT Fatty acids, uses RL: TEM (Technical or engineered material use); USES (Uses) (C16-18, hardened beef tallow; prepn. of liq. softening agent compn. with good storage stability)					
IT Polysiloxanes, uses RL: TEM (Technical or engineered material use); USES (Uses) (amino-contg., TSF 4704, reaction products with gluconolactone; prepn. of liq. softening agent compn. with good storage stability)					
IT Polysiloxanes, uses RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) (amino-contg., methoxy- and methyl-terminated, TSF 4703, reaction products with polyamine; prepn. of liq. softening agent compn. with good storage stability)					
IT Fatty acids, uses RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) (esters; prepn. of liq. softening agent compn. with good storage stability)					
IT Alcohols, uses RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) (fatty, esters; prepn. of liq. softening agent compn. with good storage stability)					
IT Amides, uses RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) (fatty; prepn. of liq. softening agent compn. with good storage stability)					
IT Fabric softeners Surfactants (prepn. of liq. softening agent compn. with good storage					

stability)

IT **Polysiloxanes**, uses
 Quaternary ammonium compounds, uses
 RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (prepn. of liq. softening agent **compn.** with good storage stability)

IT **Polyamines**
 RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (reaction products; prepn. of liq. softening agent **compn.** with good storage stability)

IT **Amines**, uses
 RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (tertiary, salts; prepn. of liq. softening agent **compn.** with good storage stability)

IT 74-87-3DP, Methyl chloride, reaction products with fatty acid esters or **fatty acid amides** 105-59-9DP,
 N-Methyldiethanolamine, esters with fatty acids, reaction products with Me chloride 1198-69-2DP, D-Glucconolactone, reaction product with amino polysiloxane 25805-17-8DP, 2-Ethyl-2-oxazoline homopolymer, reaction product with amino polysiloxane 41999-70-6DP, N-(2-Hydroxyethyl)-N-methyl-1,3-propylenediamine, reaction products with fatty acids 69488-61-5DP, 2-Ethyl-2-oxazoline homopolymer, sru, reaction product with amino polysiloxane
 RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (prepn. of liq. softening agent **compn.** with good storage stability)

IT 9002-92-0, **Polyethylene** glycol lauryl ether 9004-95-9, Emulgen 2200 9004-99-3, Emanon 3170 25322-68-3D, Poly(ethylene glycol), C12-14 ethers 208266-21-1, Vissafe CT
 RL: TEM (Technical or engineered material use); USES (Uses)
 (prepn. of liq. softening agent **compn.** with good storage stability)

L20 ANSWER 29 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 2000:139613 HCAPLUS

DN 132:182000

TI Liquid **softener composition for fabric**
 products with good storability

IN Ushio, Noriaki; Shirato, Kazutaka; Tagata, Shuji; Ogura, Nobuyuki

PA Kao Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM D06M013-463

ICS D06M015-643

CC 46-5 (Surface Active Agents and **Detergents**)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2000064178	A2	20000229	JP 1998-231590	19980818
	JP 3313073	B2	20020812		
PRAI	JP 1998-231590		19980818		
AB	Title softener compn. contains (A) softening agent				

selected from tertiary amine compd. having 1 or 2 long-chain groups contg. C11-36 linear or branched alkyl or alkenyl group and ester, acidic amide, or ether structure, its inorg. acid salt, or C1-6 org. acid salt 3-30, and (B) crosslinkable organopolysiloxane 0.1-10 wt%. Thus, a softening agent was prep'd. from N-(2-hydroxyethyl)-N-methyl-1,3-propylenediamine-hardened beef tallow fatty acid reaction product 5.0, HCl 0.3, emulsive silicone 2.0, **polyethylene** glycol lauryl ether 1.5 parts, and other additives, showing good softness and storage stability.

ST tertiary amine compd silicone **softener fabric**

IT Polyoxalkylenes, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(C12-14 ethers; prepn. of liq. **softener compn.** for
fabric products with good storability)

IT Fatty acids, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(C16-18, hardened beef tallow; prepn. of liq. **softener**
compn. for **fabric** products with good storability)

IT Fatty acids, uses
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(esters; prepn. of liq. **softener compn.** for
fabric products with good storability)

IT Alcohols, uses
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(fatty, esters; prepn. of liq. **softener compn.** for
fabric products with good storability)

IT Amides, uses
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(fatty; prepn. of liq. **softener compn.** for
fabric products with good storability)

IT **Fabric softeners**
(prepn. of liq. **softener compn.** for **fabric**
products with good storability)

IT Polyester fibers, miscellaneous
RL: MSC (Miscellaneous)
(prepn. of liq. **softener compn.** for **fabric**
products with good storability)

IT **Polysiloxanes**, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(prepn. of liq. **softener compn.** for **fabric**
products with good storability)

IT Amines, uses
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(tertiary, salts; prepn. of liq. **softener compn.**
for **fabric** products with good storability)

IT **Textiles**
(wool; prepn. of liq. **softener compn.** for
fabric products with good storability)

IT 1185-55-3DP, Methyltrimethoxysilane, polymers with **polysiloxanes**
18395-30-7DP, Isobutyltrimethoxysilane, polymers with
polysiloxanes 31692-79-2DP, Polydimethylsiloxane,
hydroxy-terminated, polymers with **polysiloxanes**
31900-57-9DP, Dimethylsilanediol homopolymer, aminoalkoxy-
terminated, polymers with **polysiloxanes** 183787-08-8DP,
polymers with **polysiloxanes** 259682-38-7DP,

trimethylsilyl-terminated, polymers with **polysiloxanes**

RL: IMF (Industrial manufacture); POF (Polymer in formulation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(prepn. of liq. **softener compn.** for **fabric**
products with good storability)

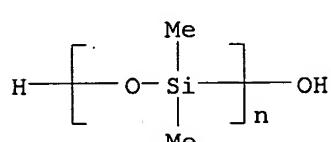
IT 74-87-3DP, Methyl chloride, reaction products with fatty acid esters or
fatty acid amides 75-50-3DP, Trimethylamine,
reaction products with fatty acid esters 79-11-8DP, Chloroacetic acid,
esters with fatty alc., reaction products with trimethylamine
102-71-6DP, Triethanolamine, esters with fatty acids, reaction products
with Me chloride 105-59-9DP, N-Methyldiethanolamine, esters with fatty
acids, reaction products with Me chloride 623-57-4DP, esters with fatty
acids, reaction products with Me chloride 41999-70-6DP,
N-(2-Hydroxyethyl)-N-methyl-1,3-propylenediamine, reaction products with
fatty acids
RL: IMF (Industrial manufacture); TEM (Technical or engineered material
use); PREP (Preparation); USES (Uses)
(prepn. of liq. **softener compn.** for **fabric**
products with good storability)

IT 9002-92-0, Emulgen 106 9014-90-8, Emal NC 35 25322-68-3D,
Poly(ethylene glycol), C12-14 ethers
RL: TEM (Technical or engineered material use); USES (Uses)
(prepn. of liq. **softener compn.** for **fabric**
products with good storability)

IT 31692-79-2DP, Polydimethylsiloxane, hydroxy-terminated, polymers
with **polysiloxanes** 31900-57-9DP, Dimethylsilanediol
homopolymer, aminoalkoxy-terminated, polymers with **polysiloxanes**
183787-08-8DP, polymers with **polysiloxanes**
259682-38-7DP, trimethylsilyl-terminated, polymers with
polysiloxanes
RL: IMF (Industrial manufacture); POF (Polymer in formulation); TEM
(Technical or engineered material use); PREP (Preparation); USES (Uses)
(prepn. of liq. **softener compn.** for **fabric**
products with good storability)

RN 31692-79-2 HCAPLUS

CN Poly[oxy(dimethylsilylene)], .alpha.-hydro-.omega.-hydroxy- (8CI, 9CI)
(CA INDEX NAME)



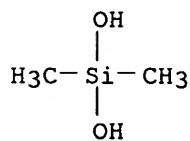
RN 31900-57-9 HCAPLUS

CN Silanediol, dimethyl-, homopolymer (9CI) (CA INDEX NAME)

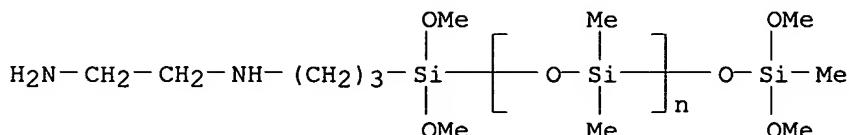
CM 1

CRN 1066-42-8

CMF C2 H8 O2 Si



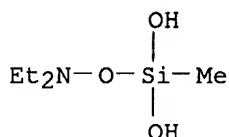
RN 183787-08-8 HCAPLUS
 CN Poly[oxy(dimethylsilylene)], .alpha.-[[3-[(2-aminoethyl)amino]propyl]dimethylsilyl]-.omega.-[(dimethoxymethylsilyl)oxy]- (9CI) (CA INDEX NAME)



RN 259682-38-7 HCAPLUS
 CN Silanediol, [(diethylamino)oxy]methyl-, polymer with dimethylsilanediol (9CI) (CA INDEX NAME)

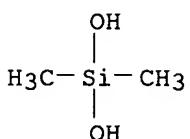
CM 1

CRN 164652-72-6
 CMF C5 H15 N O3 Si



CM 2

CRN 1066-42-8
 CMF C2 H8 O2 Si



L20 ANSWER 30 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN
 AN 1999:208880 HCAPLUS
 DN 130:313504
 TI **Fabric softening and antistatic agents containing N-alkanolalkylenepolyamine ester amide compounds**
 IN Inoue, Kimi

PA Kao Corp., Japan
 SO Jpn. Kokai Tokkyo Koho, 12 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 IC ICM D06M013-46
 CC 46-5 (Surface Active Agents and Detergents)
 Section cross-reference(s): 40

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 11081134	A2	19990326	JP 1997-235229	19970829
	JP 3346235	B2	20021118		
PRAI	JP 1997-235229		19970829		

OS MARPAT 130:313504

AB The agents comprise (A) R1N(CmH2mOCOR2)(CnH2nNHCOR3) (R1 = C1-4 alkyl, hydroxyalkyl; R2, R3 = C11-21 alkyl or alkenyl; m = 1-10; n = 2-3), their neutralized products or quaternary ammonium compds.; (B) C12-22 linear or branched (un)satd. carboxylic acids; (C) C2-6 glycols, C3-6 aliph. alcs., C8-18 arom. esters or/and C10-15 terpenoid compds.; and (D) perfume. Thus, an antistatic and softening agent was obtained from a mixt. of N-methyl-N-(hydrogenated tallow fatty acid esterified hydroxyethyl)-N-(hydrogenated tallow fatty acid amidated aminopropyl)amine.cntdot.HCl salt 5, hydrogenated tallow fatty acid 1, a 50:25:10:15 mixt. of di-Et phthalate, benzyl salicylate, benzyl acetate and citronellyl acetate, 0.1, and a perfume 0.03%.

ST fabric antistatic softening agent quaternary ammonium compd; fatty acid antistatic softening fabric; perfume antistatic softening fabric; hydrogenated tallow fatty acid alkanolamide softening fabric

IT Alcohols, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (aliph.; fabric softening and antistatic agents from ammonium compds.)

IT Esters, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (arom.; fabric softening and antistatic agents from ammonium compds.)

IT Quaternary ammonium compounds, uses
 Terpenes, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (fabric softening and antistatic agents contg. N-alkanolalkylenepolyamine ester amide compds.)

IT Antistatic agents
 Fabric softeners
 Perfumes
 (fabric softening and antistatic agents from ammonium compds.)

IT Polysiloxanes, uses
 RL: MOA (Modifier or additive use); USES (Uses)
 (fabric softening and antistatic agents from ammonium compds.)

IT Carboxylic acids, uses
 RL: TEM (Technical or engineered material use); USES (Uses)
 (fabric softening and antistatic agents from ammonium compds.)

IT Essential oils

RL: TEM (Technical or engineered material use); USES (Uses)
(lavender, perfume; **fabric softening** and antistatic
agents from ammonium compds.)

IT Lavender (*Lavandula hybrida*)
(oils, perfume; **fabric softening** and antistatic
agents from ammonium compds.)

IT Essential oils
RL: TEM (Technical or engineered material use); USES (Uses)
(orange, sweet, perfume compn.; **fabric**
softening and antistatic agents contg. N-
alkanolalkylenepolyamine ester amide compds.)

IT Fatty acids, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(palm-oil, esters, compds. with N-alkyl-N-ethanol-1,3-propylenediamine,
salts or quaternary compds.; **fabric softening** and
antistatic agents contg. N-alkanolalkylenepolyamine ester amide
compds.)

IT Fatty acids, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(palm-oil; **fabric softening** and antistatic agents
contg. N-alkanolalkylenepolyamine ester amide compds.)

IT Essential oils
RL: TEM (Technical or engineered material use); USES (Uses)
(perfume compn.; **fabric softening** and
antistatic agents contg. N-alkanolalkylenepolyamine ester amide
compds.)

IT Palm oil
RL: TEM (Technical or engineered material use); USES (Uses)
(stearins, compds. with N-alkyl-N-ethanol-1,3-propylenediamine, salts
or quaternary compds.; **fabric softening** and
antistatic agents contg. N-alkanolalkylenepolyamine ester amide
compds.)

IT Fatty acids, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(tallow, hydrogenated, esters, compds. with N-alkyl-N-ethanol-1,3-
propylenediamine, salts or quaternary compds.; **fabric**
softening and antistatic agents contg. N-
alkanolalkylenepolyamine ester amide compds.)

IT Fatty acids, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(tallow, hydrogenated; **fabric softening** and
antistatic agents contg. N-alkanolalkylenepolyamine ester amide
compds.)

IT Fatty acids, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(tallow; **fabric softening** and antistatic agents
contg. N-alkanolalkylenepolyamine ester amide compds.)

IT 41999-70-6D, compds. with fatty acids, salts or quaternary compds.
151955-40-7 161444-02-6 171064-63-4 171064-64-5 175716-84-4
RL: TEM (Technical or engineered material use); USES (Uses)
(**fabric softening** and antistatic agents contg.
N-alkanolalkylenepolyamine ester amide compds.)

IT 112-85-6, Docosanoic acid 506-30-9, Eicosanoic acid 544-63-8,
Tetradecanoic acid, uses 73756-39-5
RL: TEM (Technical or engineered material use); USES (Uses)
(**fabric softening** and antistatic agents from
ammonium compds.)

IT 67-56-1, Carbinol, uses 77-83-8, Aldehyde C16 78-69-3 78-70-6,

Linalool 79-77-6, .beta.-Ionone 80-54-6, Lilial 81-14-1, Musk ketone 93-04-9, Yara yara 97-53-0, Eugenol 101-86-0, Hexyl cinnamic aldehyde 103-95-7, Cyclamen aldehyde 104-61-0, Aldehyde C18 106-02-5, Pentalide 106-22-9, Citronellol 106-24-1 110-41-8, Methylnonylacetalddehyde 120-57-0, Heliotropin 121-32-4, Ethylvanillin 121-33-5, Vanillin 123-11-5, Anisaldehyde, uses 125-12-2, Isobornyl acetate 127-48-0, Edion 128-51-8, Nopyl acetate 151-05-3, Dimethylbenzylcarbinyl acetate 470-82-6, Eucalyptol 1205-17-0, Helional 1506-02-1, Tentarome 2050-08-0, Amyl salicylate 5471-51-2, Raspberry ketone 6864-62-6, Phenyl acetoacetate 8000-41-7, Terpineol 16409-43-1, Rose oxide 23726-91-2, .beta.-Damascone 30385-25-2, Dihydromyrcenol 32210-23-4, p-tert-Butylcyclohexyl acetate 32388-55-9, Acetylcedrene 41199-19-3, Ambrinol 54830-99-8 55066-48-3, Phenoxanol 63429-28-7, .beta.-Methylionone 68140-53-4, Fruitate 68912-13-0 80111-68-8, Damascone 80449-98-5, Liral 139504-68-0, Amber core 145334-39-0 176201-25-5, Aldehyde C14 Peach 176201-49-3, Poarenol 177771-82-3, Ambroxan 223447-73-2, Tetrahydromugol

RL: TEM (Technical or engineered material use); USES (Uses)
(perfume compn.; fabric softening and
antistatic agents contg. N-alkanolalkylenopolyamine ester amide
compds.)

IT 60-12-8, Phenylethyl alcohol 77-54-3, Cedryl acetate 80-26-2
91-64-5, Coumarin 93-08-3, Methyl .beta.-naphthyl ketone 101-84-8,
Diphenyl oxide 104-55-2, Cinnamic aldehyde 122-78-1, Phenyl
acetaldehyde 143-07-7, Dodecanoic acid, uses 497-62-1 1222-05-5,
Pearlide 21677-96-3, Geranylnitrile 43052-87-5, .alpha.-Damascone
51566-62-2, Citronellyl nitrile 68039-49-6, Tripral 124899-75-8
188647-24-7

RL: TEM (Technical or engineered material use); USES (Uses)
(perfume compn.; fabric softening and
antistatic agents from ammonium compds.)

IT 57-11-4, Octadecanoic acid, uses 57-55-6, 1,2-Propanediol, uses
67-63-0, Isopropyl alcohol, uses 84-66-2, Diethyl phthalate 93-92-5,
Styrrallyl acetate 103-45-7 103-54-8, Cinnamyl acetate 105-85-1,
Citronellyl formate 105-87-3, Geranyl acetate 107-21-1,
1,2-Ethanediol, uses 112-80-1, Oleic acid, uses 115-95-7, Linalyl
acetate 118-58-1, Benzyl salicylate 119-36-8, Methyl salicylate
122-69-0, Cinnamyl cinnamate 134-20-3, Methyl anthranilate 140-11-4,
Benzyl acetate 150-84-5, Citronellyl acetate 326-61-4, Heliotropyl
acetate 928-96-1, cis-3-Hexenol 6259-76-3, Hexyl salicylate
25265-71-8, Dipropylene glycol 56539-66-3, 3-Methoxy-3-methylbutanol
65405-77-8, cis-3-Hexenyl salicylate

RL: TEM (Technical or engineered material use); USES (Uses)
(perfume retention aids; fabric softening and
antistatic agents contg. N-alkanolalkylenopolyamine ester amide
compds.)

IT 57-10-3, Palmitic acid, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(perfume retention aids; fabric softening and
antistatic agents from ammonium compds.)

L20 ANSWER 31 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN
AN 1998:106073 HCAPLUS
DN 128:129138
TI Fabric easy care treatment composition
IN Mooney, William
PA Unilever PLC, UK; Unilever N.V.; Mooney, William
SO PCT Int. Appl., 30 pp.

CODEN: PIXXD2

DT Patent

LA English

IC ICM D06M013-192

CC 40-9 (Textiles and Fibers)

Section cross-reference(s): 46

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9804772	A1	19980205	WO 1997-EP3713	19970708
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	CA 2261075	AA	19980205	CA 1997-2261075	19970708
	AU 9736229	A1	19980220	AU 1997-36229	19970708
	EP 914514	A1	19990512	EP 1997-932817	19970708
	R: BE, DE, ES, FR, GB, IT				
	BR 9710531	A	19990817	BR 1997-10531	19970708
	US 5965517	A	19991012	US 1997-890431	19970709
	ZA 9706475	A	19990122	ZA 1997-6475	19970722
PRAI	GB 1996-15613	A	19960725		
	WO 1997-EP3713	W	19970708		
AB	Creaseproofing compns. and processes involve treating fabric by (i) applying a compn. comprising a polycarboxylic acid or deriv.; and (ii) curing the compn. using a domestic process (e.g. ironing), addn. in combination with a rinse (softener) conditioner. A treatment compn. contained 1,2,3,4-butanetetracarboxylic acid 1.0, NaH ₂ PO ₂ 0.4, cationic softener 0.5, alc. ethoxylate 0.01, polyethylene emulsion 0.05% and the balance water.				
ST	wrinkle resistance fabric treatment compn; creaseproofing compn fabric treatment; color fastness fabric treatment; polycarboxylic acid creaseproofing compn				
IT	Polysiloxanes, uses RL: MOA (Modifier or additive use); PRP (Properties); USES (Uses) (aminoalkyl di-Me, hydroxy-terminated, lubricant synergist; treatment compn. contg. polycarboxylic acid for creaseproofing textiles and fabrics)				
IT	Textiles (cotton; treatment compn. contg. polycarboxylic acid for creaseproofing textiles and fabrics)				
IT	Quaternary ammonium compounds, uses RL: MOA (Modifier or additive use); USES (Uses) (tetraalkyl; treatment compn. contg. polycarboxylic acid for creaseproofing textiles and fabrics)				
IT	Creaseproofing Fabric softeners (treatment compn. contg. polycarboxylic acid for creaseproofing textiles and fabrics)				
IT	9002-88-4, Polyethylene RL: MOA (Modifier or additive use); PRP (Properties); USES (Uses) (lubricant synergist; treatment compn. contg. polycarboxylic acid for creaseproofing textiles and fabrics)				
IT	1703-58-8, 1,2,3,4-Butanetetracarboxylic acid				

RL: MOA (Modifier or additive use); PRP (Properties); USES (Uses)
 (treatment **compn.** contg. polycarboxylic acid for
 creaseproofing textiles and fabrics)

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

- (1) Hyung-Min, C; J Appl Polym Sci 1994, V54(13), P2107 HCPLUS
- (2) Kitchens, J; US 5042986 A 1991 HCPLUS
- (3) Lord, J; US 3656246 A 1972 HCPLUS
- (4) Welch, C; US 4820307 A 1989 HCPLUS
- (5) Welch, C; Textile Research Journal P480
- (6) Yiqi, Y; US 5296269 A 1994

L20 ANSWER 32 OF 38 HCPLUS COPYRIGHT 2003 ACS on STN

AN 1995:746132 HCPLUS

DN 123:172559

TI High-performance oil- and water-repellent **compositions**, its use
 and substrates treated by

IN Coppens, Dirk M.; Allewaert, Kathy Emilie Augusta

PA Minnesota Mining and Mfg. Co., USA

SO Eur. Pat. Appl., 13 pp.

CODEN: EPXXDW

DT Patent

LA English

IC ICM D06M015-643

ICS D06M015-263; D06M015-277; D06M015-576; D06M015-657; C08L083-06;
 C08K005-02; C08F283-12

CC 40-9 (Textiles and Fibers)

Section cross-reference(s): 43, 45, 58

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 648890	A1	19950419	EP 1993-116871	19931019
	EP 648890	B1	19961211		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
	CA 2133173	AA	19950420	CA 1994-2133173	19940928
	JP 07216347	A2	19950815	JP 1994-245058	19941011
	US 5536304	A	19960716	US 1994-323381	19941014

PRAI EP 1993-116871 19931019

AB Title **compn.** comprises a fluoroaliph. radical-contg. agent and a cyclic carboxylic anhydride-contg. polysiloxane. Addnl., the **compn.** may comprise an extender and/or a plasticizer. The **compn.** provides water- and oil repellent properties and a soft hand to fibrous and other substrates using a simple 1-step treatment. A blend of a succinic anhydride-terminated di-Me siloxane and a poly(fluoroalkyl methacrylate) was applied to cotton by solvent padding and dried to give a **fabric** with oil repellency rating 2, spray rating 90, and hand 4 (higher value correlates with softer feel), compared to 0, 50, and 2, resp., when di-Me siloxane was incorporated instead of the succinic anhydride-terminated di-Me siloxane.

ST water oil repellent **softener** siloxane anhydride; fluoroaliph water oil repellent **softener**; cyclic anhydride siloxane
fabric softener

IT Softening agents
 (cyclic carboxylic anhydride-contg. polysiloxanes in fluoroaliph. group-contg. oil- and water-repellent compns.)

IT Polycarbodiimides

RL: TEM (Technical or engineered material use); USES (Uses)
 (extender; in high-performance oil- and water-repellent compns.)

IT Concrete
Leather
Paper
Wood
(oil- and water-repellent and softening compns. for)

IT Glass, oxide
Metals, miscellaneous
Plastics
Stone
RL: MSC (Miscellaneous)
(oil- and water-repellent and softening compns. for)

IT Oilproofing
Waterproofing
(softening; of substrates with a compn. contg. fluoroaliph. radical-contg. agent and a cyclic carboxylic anhydride-contg. polysiloxane)

IT Urethane polymers, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(acrylates, in high-performance oil- and water-repellent compns.)

IT Siloxanes and Silicones, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(di-Me, (alkyltetrahydrodioxofuranyl)propyl group-terminated, SLM 50240/1, SLM 50240/2, SLM 50240/3 and SLM 50240/4; in high-performance oil- and water-repellent compns.)

IT Urethane polymers, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(fluorine-contg., in high-performance oil- and water-repellent compns.)

IT Fluoropolymers
RL: TEM (Technical or engineered material use); USES (Uses)
(polyurethane-, in high-performance oil- and water-repellent compns.)

IT 1071-76-7, Butyl zirconate 64265-57-2, CX 100 133687-21-5, Ucar LNK-XL
27HS 148618-26-2, Accosize 18
RL: TEM (Technical or engineered material use); USES (Uses)
(extender; in high-performance oil- and water-repellent compns.)

IT 31900-57-9D, Dimethylsilanediol homopolymer, 3-(2,5-dioxodihydro-3-furyl)propyl-terminated 150428-65-2, FX-3530 161205-23-8
167290-69-9, FX 3532 167290-70-2, FX 3534 167290-71-3, FX 3539
RL: TEM (Technical or engineered material use); USES (Uses)
(in high-performance oil- and water-repellent compns.)

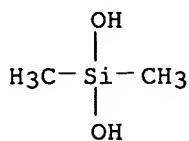
IT 31900-57-9D, Dimethylsilanediol homopolymer, 3-(2,5-dioxodihydro-3-furyl)propyl-terminated 161205-23-8
RL: TEM (Technical or engineered material use); USES (Uses)
(in high-performance oil- and water-repellent compns.)

RN 31900-57-9 HCAPLUS

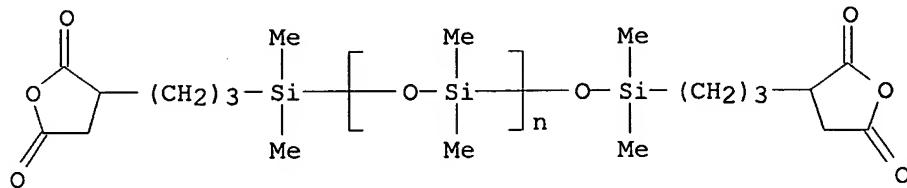
CN Silanediol, dimethyl-, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 1066-42-8
CMF C2 H8 O2 Si



RN 161205-23-8 HCAPLUS
 CN Poly[oxy(dimethylsilylene)], .alpha.-[dimethyl[3-(tetrahydro-2,5-dioxo-3-furanyl)propyl]silyl]-.omega.-[[dimethyl[3-(tetrahydro-2,5-dioxo-3-furanyl)propyl]silyl]oxy]- (9CI) (CA INDEX NAME)



L20 ANSWER 33 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN
 AN 1992:492676 HCAPLUS
 DN 117:92676
 TI Fabric treatment **composition** containing a softening agent for use in detergents
 IN Marteleur, Christian August Antoine; Convents, Andre Christian
 PA Procter and Gamble Co., USA
 SO Eur. Pat. Appl., 19 pp.
 CODEN: EPXXDW
 DT Patent
 LA English
 IC ICM C11D003-12
 ICS C11D003-37
 CC 46-5 (Surface Active Agents and **Detergents**)
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 483411	A1	19920506	EP 1990-202868	19901029
	EP 483411	B1	19950607		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	CA 2095244	AA	19920430	CA 1991-2095244	19911025
	WO 9207927	A1	19920514	WO 1991-US7919	19911025
	W: CA, FI, JP, US				

PRAI EP 1990-202868 19901029
 AB A **fabric softening** clay, a clay flocculating agent, and a substituted siloxane such as polyoxyalkylene-siloxane are used in laundry detergent compns. to give good **softening** of **fabrics** during laundering. A smectite clay, acrylic acid-maleic acid copolymer, and a polyoxyethylene-siloxane were used in a granular detergent **compn.**
 ST clay **fabric softener** detergent; polyoxyalkylene siloxane **fabric softener**; flocculant clay **softener** **fabric**; polycarboxylate flocculant **softener** **fabric**; acrylic polymer **softener**

fabric; maleic polymer softener fabric;
carboxy polymer softener fabric; laundry detergent
fabric softener
IT Softening agents
 (clay-siloxanes, for fabrics, detergents contg.)
IT Flocculating agents
 (polymers, for fabric-softening clays in
 detergents)
IT Clays, uses
 Siloxanes and Silicones, uses
 RL: USES (Uses)
 (softening agents, for fabrics, detergents contg.)
IT Polyoxalkylenes, uses
 RL: USES (Uses)
 (di-Me, Me hydrogen siloxane-, softening agents, for
 fabrics, detergents contg.)
IT Siloxanes and Silicones, uses
 RL: USES (Uses)
 (di-Me, Me hydrogen, polyoxyalkylene-, softening agents, for
 fabrics, detergents contg.)
IT Detergents
 (laundry, contg. fabric-softening clays and
 flocculating agents)
IT 25322-68-3D, Polyethylene glycol, siloxane derivs.
 RL: USES (Uses)
 (fabric softeners, detergents contg.)
IT 79-10-7D, Acrylic acid, polymers 9003-05-8, Polyacrylamide 25322-68-3,
 Polyethylene glycol 29132-58-9, Acrylic acid-maleic acid
 copolymer
 RL: USES (Uses)
 (flocculating agents, for fabric-softening clays in
 detergents)
IT 12173-47-6, Hectorite
 RL: USES (Uses)
 (softening agents, for fabrics, detergents contg.)
IT 1318-93-0, Montmorillonite, miscellaneous
 RL: MSC (Miscellaneous)
 (softening agents, for fabrics, detergents contg.)

L20 ANSWER 34 OF 38 HCPLUS COPYRIGHT 2003 ACS on STN

AN 1992:429251 HCPLUS

DN 117:29251

TI Liquid fabric softeners containing amine salts

IN Yamamura, Masaaki; Inokoshi, Junichi; Shimizu, Kazuo; Shirato, Kazutaka

PA Kao K. K., Japan

SO Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM D06M013-46

ICS D06M015-647

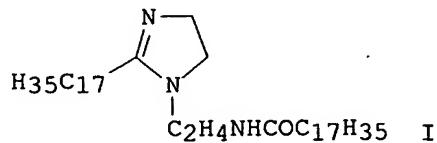
CC 46-5 (Surface Active Agents and Detergents)

Section cross-reference(s): 40

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 04050374	A2	19920219	JP 1990-156248	19900613
PRAI	JP 1990-156248		19900613		

OS MARPAT 117:29251
GI



AB Title softeners contain (A) (in)org. acid-neutralized dehydration-cyclization condensates of diethylenetriamine and C12-22 (un)satd. fatty acids and (B) (in)org. acid-neutralized R₁CO₂CmH₂mN(CmH₂mOY)CmH₂mOX [X, Y = H, R₂CO; R₁-2 = C11-23 linear or branched (un)satd. hydrocarbon; m = 2, 3] and/or (in)org. acid-neutralized partially amidated compds. of condensates of polyalkylene-polyamines contg. 4-6 N or polyethylene-imines with C12-24 fatty acids. Thus, a compn. contg. 15% of a 85:15 mixt. of a HCl-neutralized amidoamine I and HCl-neutralized triethanolamine stearic acid adduct (1:2) and 1% (based on the mixt.) poly(oxyethylene)-modified dimethylpolysiloxane imparted good softness and compressive elasticity to cotton and acrylic textiles.

ST ethylenetriamine fatty ester salt softener; alkoxyamine fatty ester salt softener; polyamine fatty ester salt softener; **softener** amine salt **fabric**

IT Softening agents
(fatty amine salts, for fabrics)

IT **Siloxanes** and **Silicones**, uses
RL: USES (Uses)
(di-Me, **fabric softeners** contg. amine salts and)

IT Polyoxyalkylenes, uses
RL: USES (Uses)
(di-Me siloxane-, **fabric softeners** contg. amine salts and)

IT **Siloxanes** and **Silicones**, uses
RL: USES (Uses)
(di-Me, polyoxyalkylene-, **fabric softeners** contg. amine salts and)

IT Amides, uses
RL: USES (Uses)
(fatty, amino, **fabric softeners** contg.)

IT 57-11-4D, Octadecanoic acid, reaction products with tetraethylpentamine, hydrochloride 102-71-6D, esters with fatty acids, salts with acids 112-57-2D, reaction products with stearic acid, hydrochloride 58536-81-5 142234-56-8 142281-90-1
RL: USES (Uses)
(**fabric softeners** contg.)

L20 ANSWER 35 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 1991:84354 HCPLUS

DN 114:84354

TI Antistatic and soil release-promoting **compositions** for use with laundry detergents

IN Beagle, Charles A.; Adams, Richard P.; Wixon, Harold E.

PA Colgate-Palmolive Co., USA

SO Eur. Pat. Appl., 23 pp.

CODEN: EPXXDW

DT Patent

LA English

IC ICM C11D003-37

ICS C11D001-62

CC 46-5 (Surface Active Agents and Detergents)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 396457	A2	19901107	EP 1990-401146	19900426
	EP 396457	A3	19910703		
	R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, LU, NL, SE				
	AU 9054506	A1	19901108	AU 1990-54506	19900427
	AU 628166	B2	19920910		
	CA 2015849	AA	19901102	CA 1990-2015849	19900501
	US 5545342	A	19960813	US 1994-361028	19941221
PRAI	US 1989-346053		19890502		
	US 1991-644728		19910123		
	US 1991-792314		19911114		
	US 1993-83416		19930628		
OS	MARPAT 114:84354				
AB	<p>The title compns. contain a cationic fabric softener, and antistatic silicone $Z_0(SiR_2R_3O)_x(SiHR_4O)_p(SiR_5Z_1O)_yZ_2$ [R₂, R₃ = alkyl; aryl, alkylaryl; R₄ = H, R₂; Z₁ = CH₂CHA(CH₂)_rSiR₁₃; Z, Z₂ = R₆nSiH_{3-n}, CH₂CHA(CH₂)_rSiR₁₃; n = 0-3; R₆ = alkyl, alkoxy, PhO, aryl, alkylaryl; R₅ = R₂, Z₁; x = 2-1000; y = 1-200; p = 0 to .apprxeq.50% of y; A = H, alkyl, Ph; r = 0-12; R₁ = OH, acyloxy, halo, amino, alkoxy, aryloxy, etc.], and a soil release-promoting polyester contg. ethylene terephthalate and polyoxyethylene terephthalate units as well as, optionally, a low-mol.-wt. polyacrylate and a polyoxyalkylene-siloxane. The compns. are added to a nonionic detergent compn. (or to washwater contg. it) to improve the antistatic properties of washed fabrics. A particulate mixt. of Alkaril SRP-2F (soil-release polyester) 76.5, Alkasil HNM-1223-15 (polyoxyalkylene-siloxane) 13.5, and Alcosperse 149D (40% Na polyacrylate) 10% was added (8.36%) with 1.11% antistatic silicone (190 Surfactant) and 6.67% dimethyldistearylammonium chloride in a laundry detergent contg. a nonionic surfactant and a nonphosphate builder (Na₂CO₃-NaHCO₃-zeolite A mixt.).</p>				
ST	antistatic soil release detergent; laundry detergent antistatic antisoiling; siloxane polyoxyalkylene antistatic detergent; polyester polyether antisoiling detergent				
IT	<p>Siloxanes and Silicones, uses and miscellaneous</p> <p>RL: USES (Uses)</p> <p>(antistatic agents contg., for laundry detergents)</p>				
IT	<p>Softening agents</p> <p>(for fabrics, laundry detergents contg. antistatic agents and)</p>				
IT	<p>Antistatic agents</p> <p>(polyoxyalkylene-siloxanes, laundry detergents contg.)</p>				
IT	<p>Soilproofing</p> <p>(agents, polyester-polyethers, laundry detergents contg. antistatic agents and)</p>				
IT	<p>Detergents</p> <p>(laundry, contg. antistatic, fabric softening, and soil release agents)</p>				
IT	<p>Polyethers, uses and miscellaneous</p> <p>RL: USES (Uses)</p> <p>(polyester-, soil release agents, laundry detergents contg. antistatic</p>				

agents and)

IT Polyesters, uses and miscellaneous
 RL: USES (Uses)
 (polyether-, soil release agents, laundry detergents contg. antistatic agents and)

IT Siloxanes and Silicones, uses and miscellaneous
 RL: USES (Uses)
 (polyoxyalkylene-, antistatic agents, laundry detergents contg.)

IT Polyoxyalkylenes, uses and miscellaneous
 RL: USES (Uses)
 (siloxane-, antistatic agents, laundry detergents contg.)

IT 9003-04-7, Poly(acrylic acid)sodium salt
 RL: USES (Uses)
 (antistatic agents contg., in laundry detergents)

IT 107-64-2, Dimethyldistearylammonium chloride
 RL: USES (Uses)
 (softening agents, laundry detergents contg. antistatic agents and)

IT 9016-88-0, Ethylene glycol-polyethylene glycol-terephthalic acid copolymer
 RL: USES (Uses)
 (soil release agents, laundry detergents contg. antistatic agent and)

L20 ANSWER 36 OF 38 HCPLUS COPYRIGHT 2003 ACS on STN

AN 1990:612871 HCPLUS

DN 113:212871

TI Alkoxylated silicone polymers useful as soil-release and softening and antistatic agents for laundry **compositions**, and their synthesis

IN O'Lenick, Anthony J., Jr.

PA Rhone-Poulenc Specialty Chemicals, L. P., USA

SO U.S., 7 pp.

CODEN: USXXAM

DT Patent

LA English

IC ICM C08K005-11

NCL 524318000

CC 35-5 (Chemistry of Synthetic High Polymers)

Section cross-reference(s): 38, 46

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4937277	A	19900626	US 1988-194259	19880516
PRAI	US 1988-194259		19880516		

AB The agents, without buildup after use, are prep'd. by reaction of alkylene glycols, SO₃R- or CO₂R-(un)substituted (R = H, Na, K, NH₄) terephthalic acid, and Me or Et siloxanes bearing ethoxylated and/or propoxylated hydroxypropyl side chains. Thus, 2680 g PEG, 167 g terephthalic acid, and 457.8 g Me siloxane bearing ethoxylated 3-hydroxypropyl groups were heated to 210.degree., removing water by distn., and maintained at 210.degree. for 6 h to give a polymer with good soil release and softening properties.

ST laundry softener graft polyester siloxane; soil release agent polyester siloxane

IT Antistatic agents

Softening agents

(for textiles, block polyester-polyoxyalkylene-siloxanes as)

IT Textiles

(soil-release agents for, block polyester-polyoxyalkylene-siloxanes as)

IT Siloxanes and Silicones, compounds

RL: USES (Uses)
 (di-Me, Me hydroxypropyl, reaction products, with alkylene oxides and terephthalic acids, as soil-release and **softening** agents for fabrics)

IT Detergents
 (laundry, soil-release and softening agents for, block polyester-polyoxyalkylene-**siloxanes** as)

IT **Siloxanes** and **Silicones**, preparation
 RL: PREP (Preparation)
 (polyester-polyoxyalkylene-, block, prep. of, as soil-release, softening and antistatic agents for fabrics)

IT Polyoxyalkylenes, preparation
 RL: PREP (Preparation)
 (polyester-siloxane-, block, prep. of, as soil-release, softening and antistatic agents for fabrics)

IT Polyesters, preparation
 RL: PREP (Preparation)
 (polyoxyalkylene-siloxane-, block, prep. of, as soil-release, softening and antistatic agents for fabrics)

IT 100-21-0DP, Terephthalic acid, block polymers with polyoxyalkylene glycols and OH-bearing **siloxanes** 528-44-9DP, 1,2,4-Benzenetricarboxylic acid, block polymers with polyoxyalkylene glycols and OH-bearing **siloxanes** 19089-60-2DP, block polymers with polyoxyalkylene glycols and OH-bearing **siloxanes** 25322-68-3DP, PEG, block polymers with terephthalic acid and OH-bearing **siloxanes** 25322-69-4DP, **Polypropylene** glycol, block polymers with terephthalic acid and OH-bearing **siloxanes**
 RL: PREP (Preparation)
 (prep. of, as soil-release and **softening** agents for fabrics)

L20 ANSWER 37 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN
 AN 1988:169695 HCAPLUS
 DN 108:169695
 TI Article for conditioning fabrics in a laundry dryer
 IN Kasprzak, Kenneth Alfred; Swithart, Terence John; Ward, Andrew Hamilton
 PA Dow Corning Corp., USA
 SO Eur. Pat. Appl., 7 pp.
 CODEN: EPXXDW
 DT Patent
 LA English
 IC ICM C11D017-04
 ICS C11D003-37
 CC 46-5 (Surface Active Agents and **Detergents**)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 255711	A2	19880210	EP 1987-111170	19870803
	EP 255711	A3	19890315		
	EP 255711	B1	19910925		
	R: BE, DE, FR, GB, NL				
	US 4767548	A	19880830	US 1986-893752	19860806
	CA 1279156	A1	19910122	CA 1987-539287	19870610
	JP 63042978	A2	19880224	JP 1987-194579	19870805

PRAI US 1986-893752 19860806

AB A flexible substrate contg. a fabric-conditioning compn. (m. >38.degree.) comprising a cationic **fabric softener** and a poly(dimethylsiloxane), poly(methylphenylsiloxane), and/or

poly(dimethylsiloxane)-polyoxyalkylene imparts better softness and antistatic properties to fabrics in a laundry dryer, compared with a substrate contg. only the cationic softener. A soln. of 100 parts ditallowdimethylammonium chloride and 1 part trimethylsilyl-terminated poly(dimethylsiloxane) (viscosity 350 cSt) in warm Stoddard solvent was applied to nonwoven polyester fabric and dried to give a product which imparted softness and antistatic properties to wet polyester-cotton and polyester fabrics in a laundry dryer. The static charge on dried polyester-cotton fabrics was 95 V, vs 1100 without the siloxane.

ST fabric drying softener antistatic; softener
 fabric ammonium siloxane; antistatic fabric ammonium siloxane;
 quaternary ammonium softener antistatic; ammonium softener
 antistatic fabric; siloxane softener antistatic
 fabric; polyoxyalkylene siloxane softener fabric

IT Siloxanes and Silicones, uses and miscellaneous
 RL: USES (Uses)
 (antistatic softening agents contg., for fabrics in laundry dryer)

IT Quaternary ammonium compounds, uses and miscellaneous
 RL: USES (Uses)
 (antistatic-softening agents contg., for fabrics in laundry dryer)

IT Antistatic agents
 Softening agents
 (for fabrics in laundry dryer, siloxane-contg.)

IT Siloxanes and Silicones, uses and miscellaneous
 RL: USES (Uses)
 (polyether-, antistatic-softening agents contg., for fabrics in laundry dryer)

IT Polyethers, uses and miscellaneous
 RL: USES (Uses)
 (siloxane-, antistatic-softening agents contg., for fabrics in laundry dryer)

IT 9003-11-6D, Ethylene oxide-propylene oxide copolymer, siloxane derivs.
 25322-68-3D, Polyethylene glycol, siloxane derivs.
 25322-69-4D, Polypropylene glycol, siloxane derivs.
 RL: USES (Uses)
 (antistatic-softening agents contg., for fabrics in laundry dryer)

L20 ANSWER 38 OF 38 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 1972:407228 HCAPLUS

DN 77:7228

TI Textile-finishing polymeric compositions and method
 for providing water-repellent products

IN Crabtree, Orville R.; Thomas, Manuel A.

PA Deering Milliken Research Corp.

SO U.S., 5 pp.

CODEN: USXXAM

DT Patent

LA English

IC D06M

NCL 117135500

CC 39-10 (Textiles)

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI US 3649344	A	19720314	US 1969-788941	19690103

PRAI US 1969-788941 19690103

AB Water-resistant **textile fabrics** with improved breathability, durability, and aesthetics and useful in rainwear, are prep'd. by coating .geq. 1 side of a **textile fabric** with a mixt. of a relatively low viscosity aq. dispersion of .geq. 1 water-insoluble, film-forming, solvent swellable polymers and a water immisible org. solvent to swell the polymeric material and provide a relatively high viscosity mixt; excess liq. is removed from the coated **fabric** and the coating and impregnant cured. Thus, a compn. prep'd. from SM-2013 (40% solids dimethylpolysiloxane aq. emulsion) 5.0, SM-2014 C catalyst (50% solids dibutyltin dilaurate aq. emulsion) 1.0, Aircoflex 500 (55% solids ethylene-vinyl acetate copolymer (I) [24937-78-8] aq. emulsion) 13.0, Aircoflex 46-3 (55% solids carboxylated I aq. emulsion) 13.0, (NH4)2HPO4 0.1, and trichloroethylene [79-01-6] 52.5 parts was applied to polyester-cotton **fabric** and dried at 250.deg.F to give 9.0% solids pickup. The coated **fabric** was impregnated with a water repellent compn. contg. Rhonite R1 (dimethylolethyleneurea [136-84-5]) 15.0, catalyst X4 (Zn(NO3)2) 3.0, FC-208 [11119-49-6] (fluorocarbon water-repellent) 3.5, Nalan W (water repellent extender) 5.0, Sapamine NP (**polyethylene** softener) 4.0, and Synthrapol KB (wetting agent) 0.2%. The **fabric** was dried and the water-repellent and polymer coating compns cured at 330.deg.F for 3 min. **Fabric** possessed air permeability of 12 sec/100 cm3 (ASTM D 726-58, method A) and water vapor transmission about 600 g/m2/24 hr (ASTM E-96 method).

ST water repellent **fabrics** coating

IT Polyester fibers

RL: USES (Uses)
(coating and waterproofing of cotton and)

IT Textiles

(coating and waterproofing of cotton-polyester)

IT Acrylic polymers

Siloxanes and Silicones, uses and miscellaneous
Urethane polymers, uses and miscellaneousRL: USES (Uses)
(coatings, on cotton-polyester **fabric**, for subsequent
waterproofing)

IT Waterproofing

(of cotton-polyester **fabric**, after coating with polymers)

IT Coating materials

(polymeric, on **textiles**, for subsequent waterproofing)IT Acetic acid ethenyl ester, polymer with ethene, carboxylated
Ethene, polymer with ethenyl acetate, carboxylatedRL: USES (Uses)
(coatings, on cotton-polyester **fabric**, for subsequent
waterproofing)

IT 9016-00-6 24937-78-8 30586-88-0 37200-82-1

RL: USES (Uses)
(coatings, on cotton-polyester **fabric**, for subsequent
waterproofing)

IT 30660-57-2 37340-68-4

RL: USES (Uses)
(waterproofing by, of cotton-polyester **textiles** coated with
polymers)

IT 9016-00-6

RL: USES (Uses)
(coatings, on cotton-polyester **fabric**, for subsequent
waterproofing)

RN 9016-00-6 HCAPLUS
CN Poly[oxy(dimethylsilylene)] (8CI, 9CI) (CA INDEX NAME)

